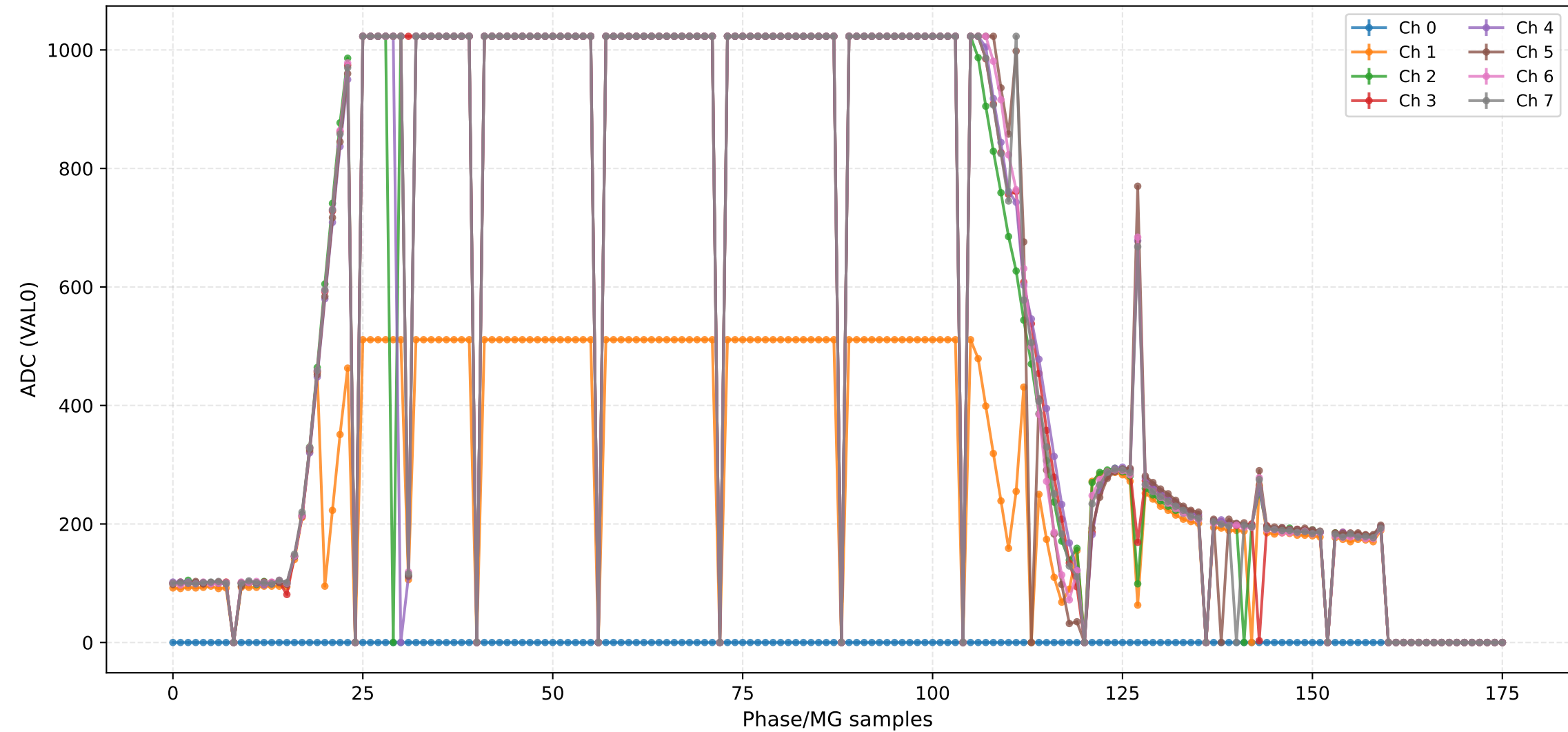
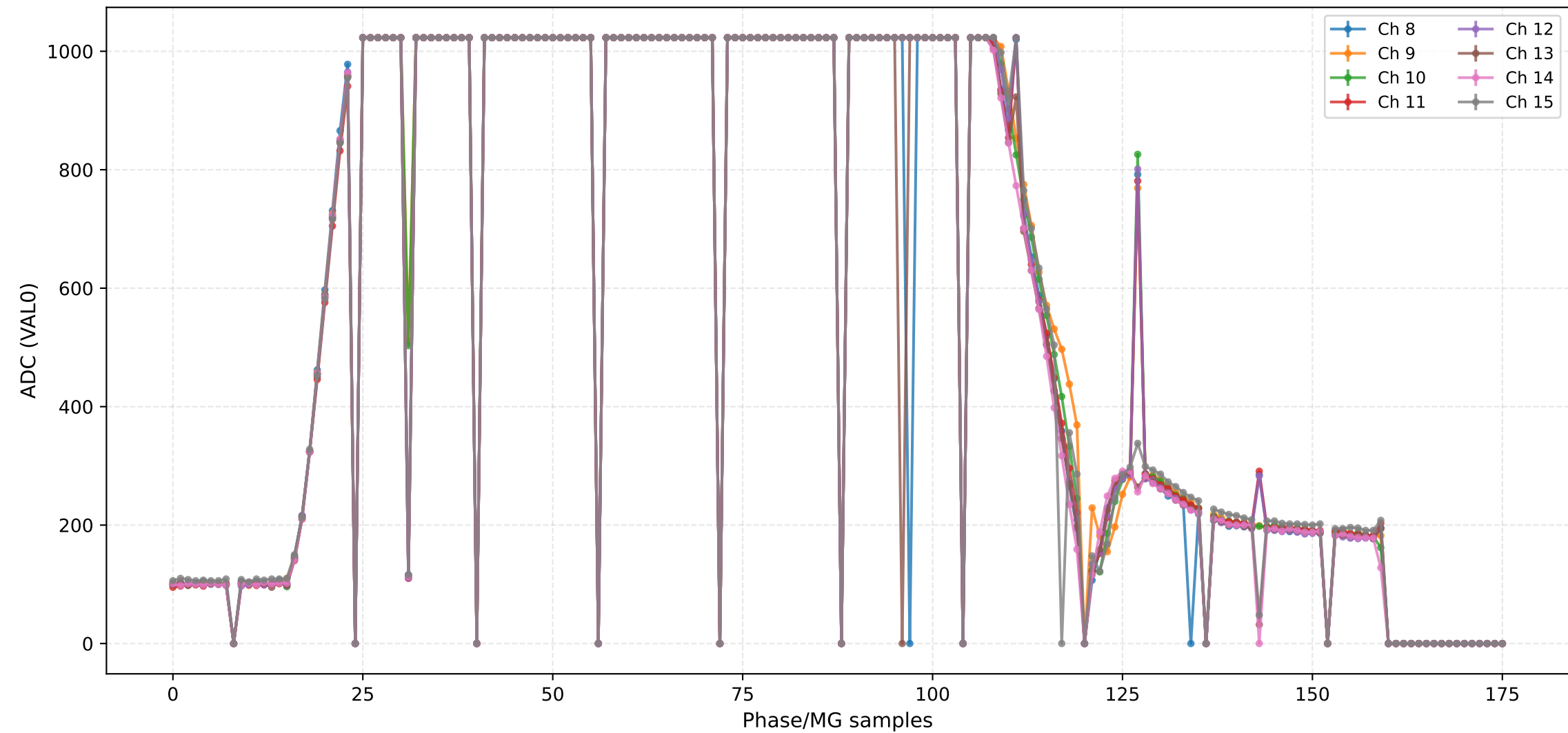


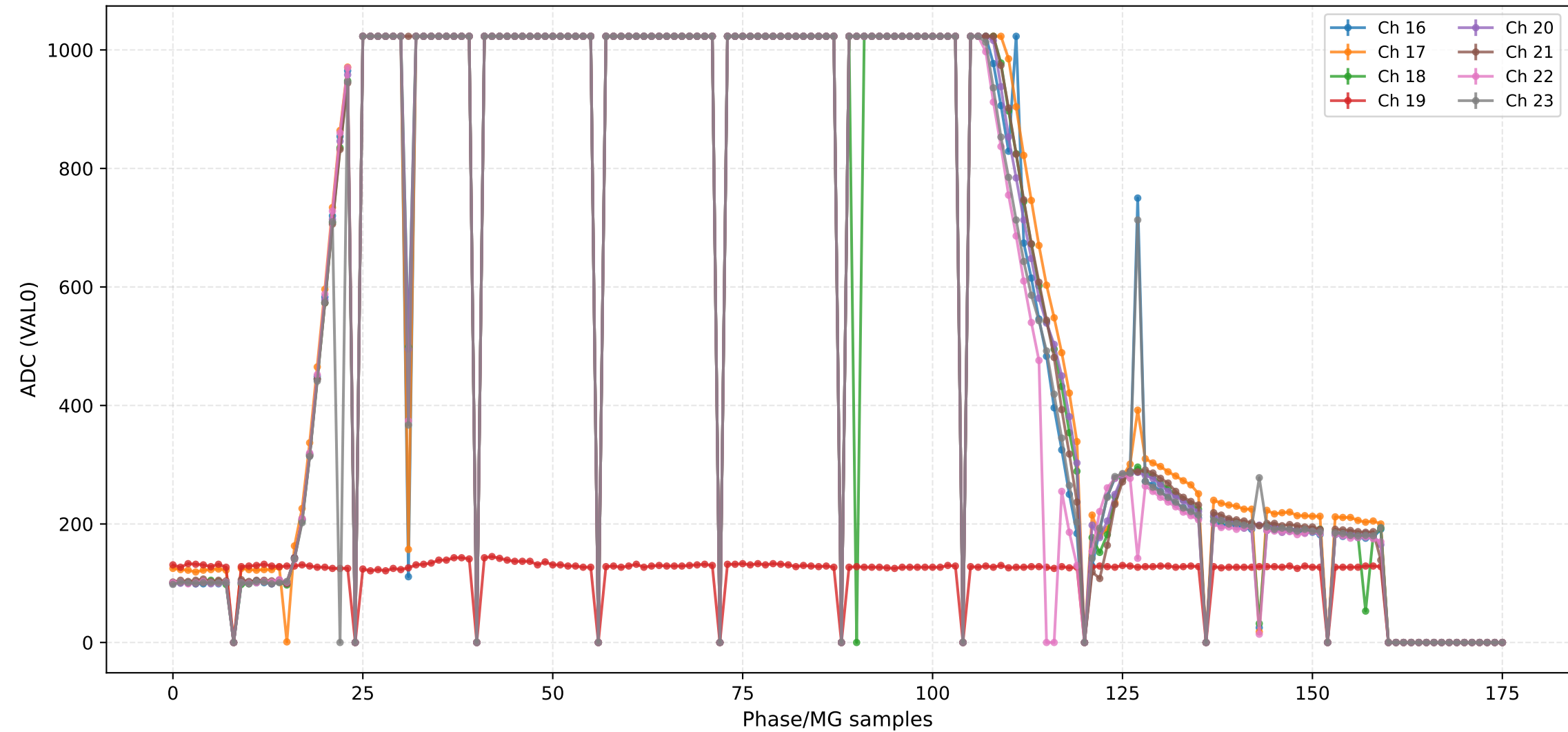
## ADC (VAL0) - Channels 0 to 7



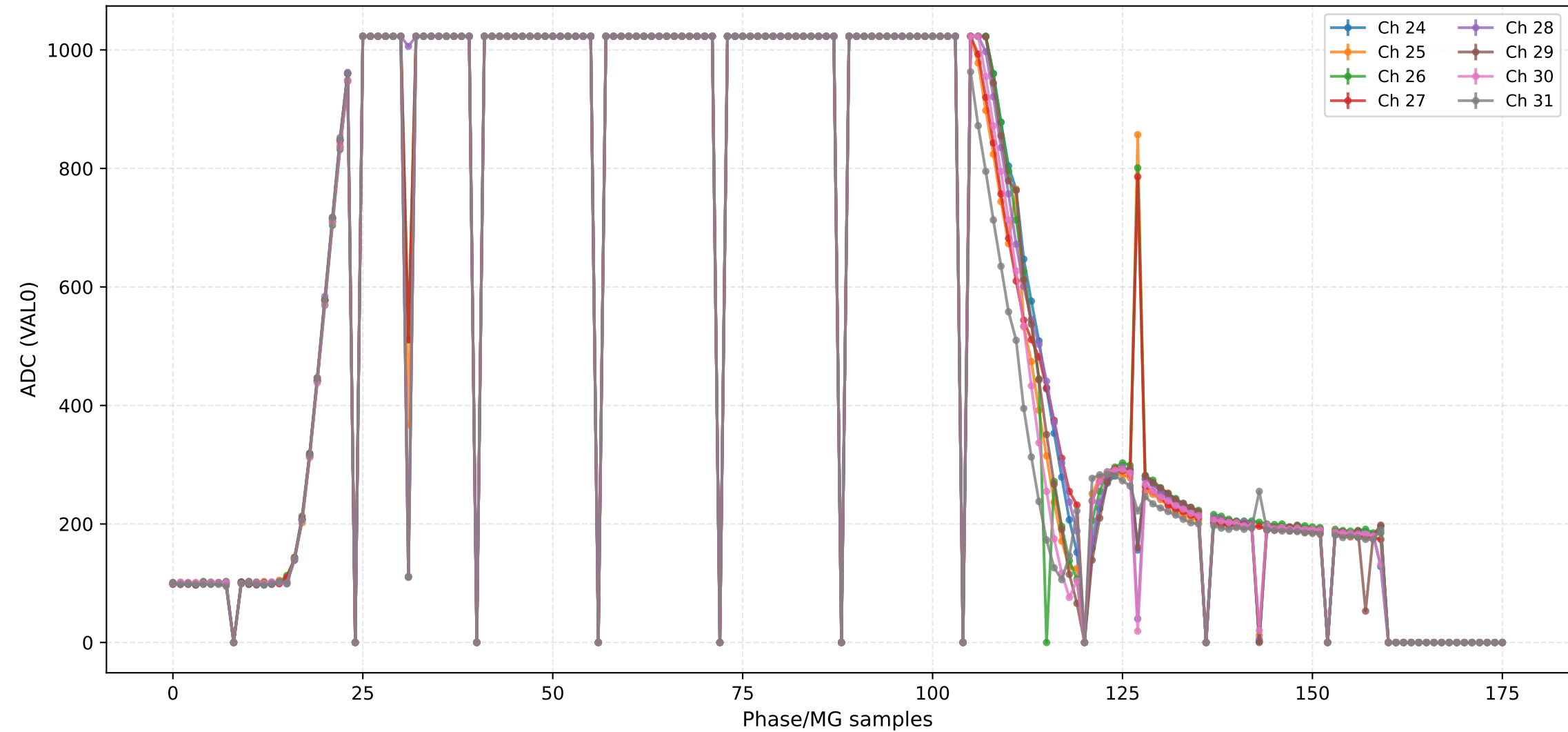
ADC (VAL0) - Channels 8 to 15



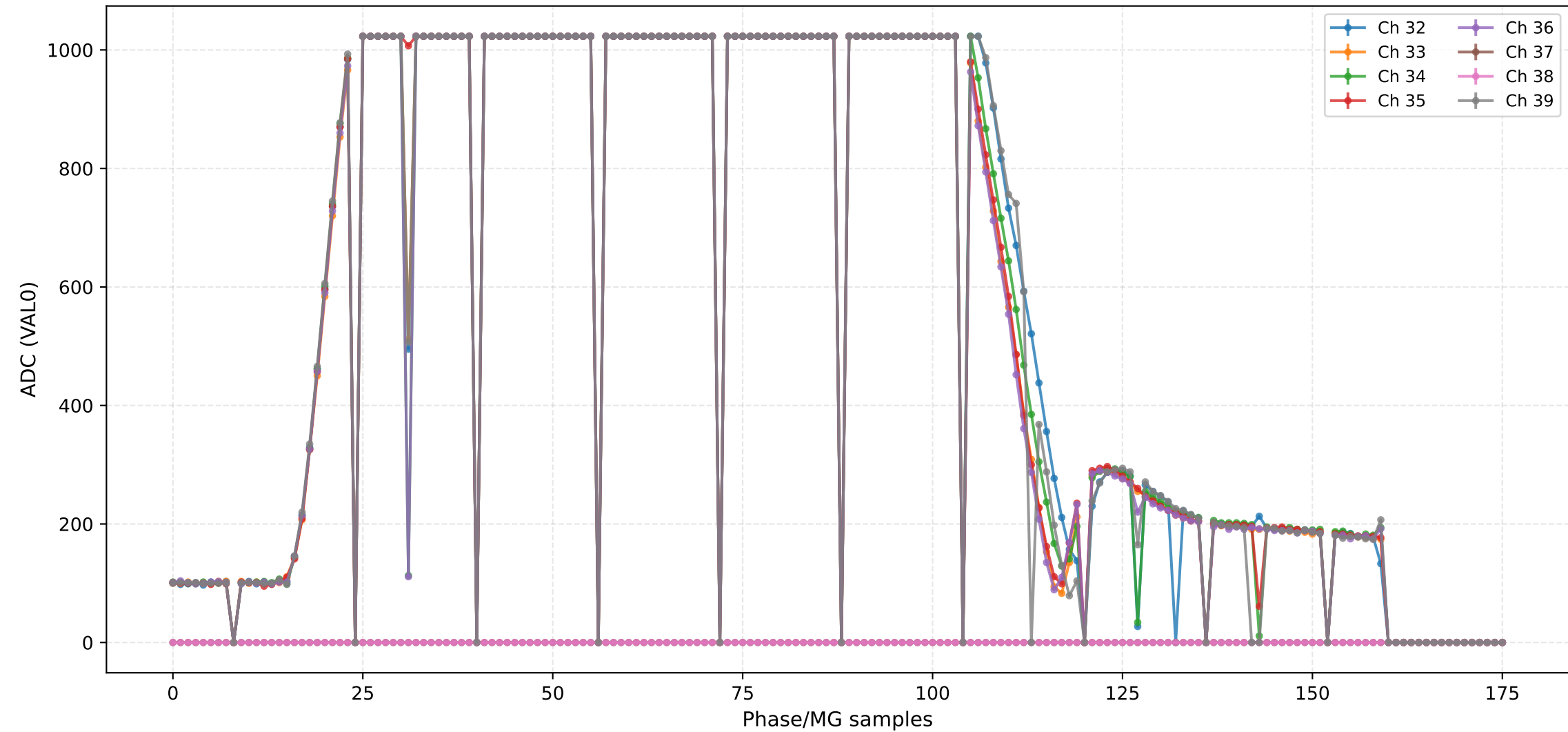
ADC (VAL0) - Channels 16 to 23



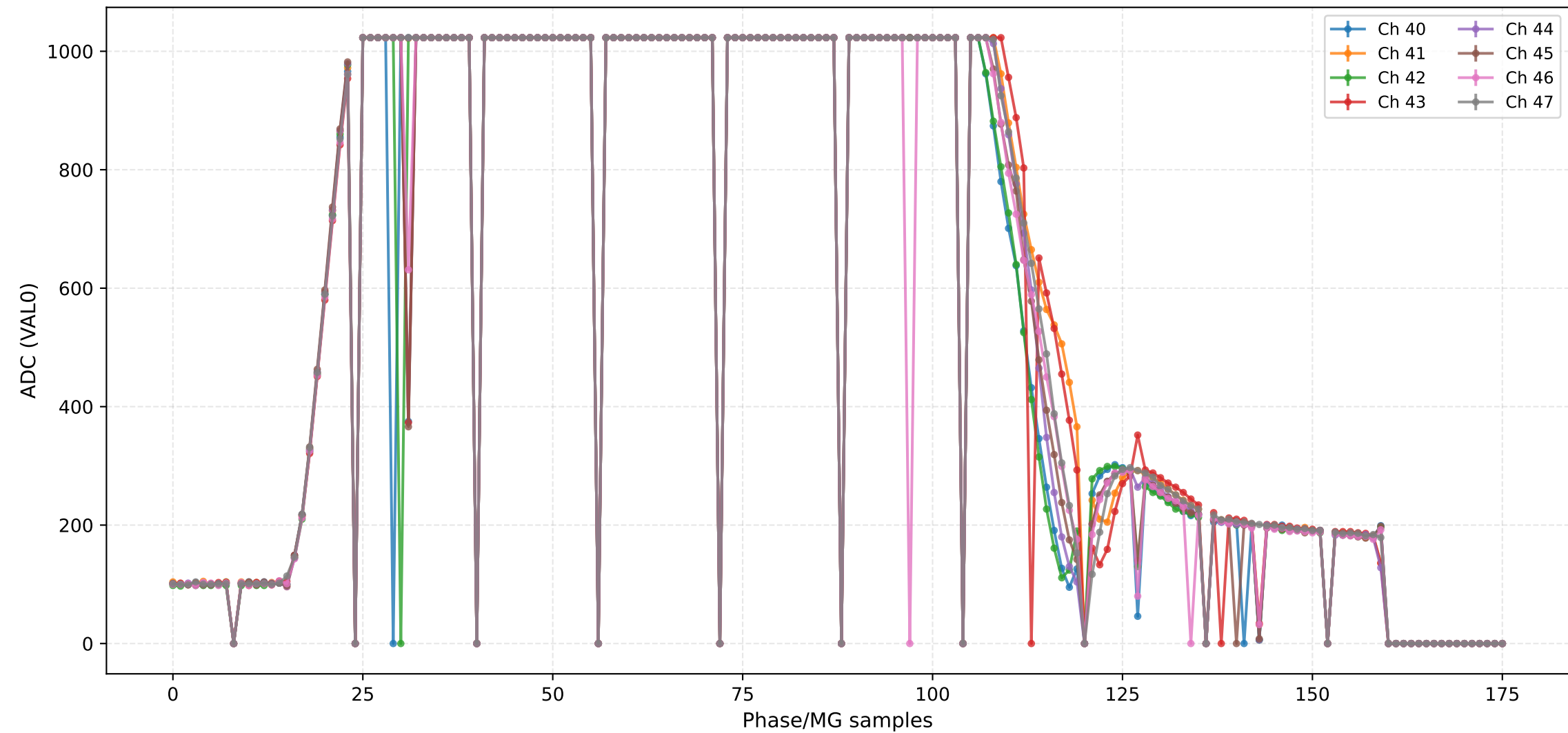
### ADC (VAL0) - Channels 24 to 31



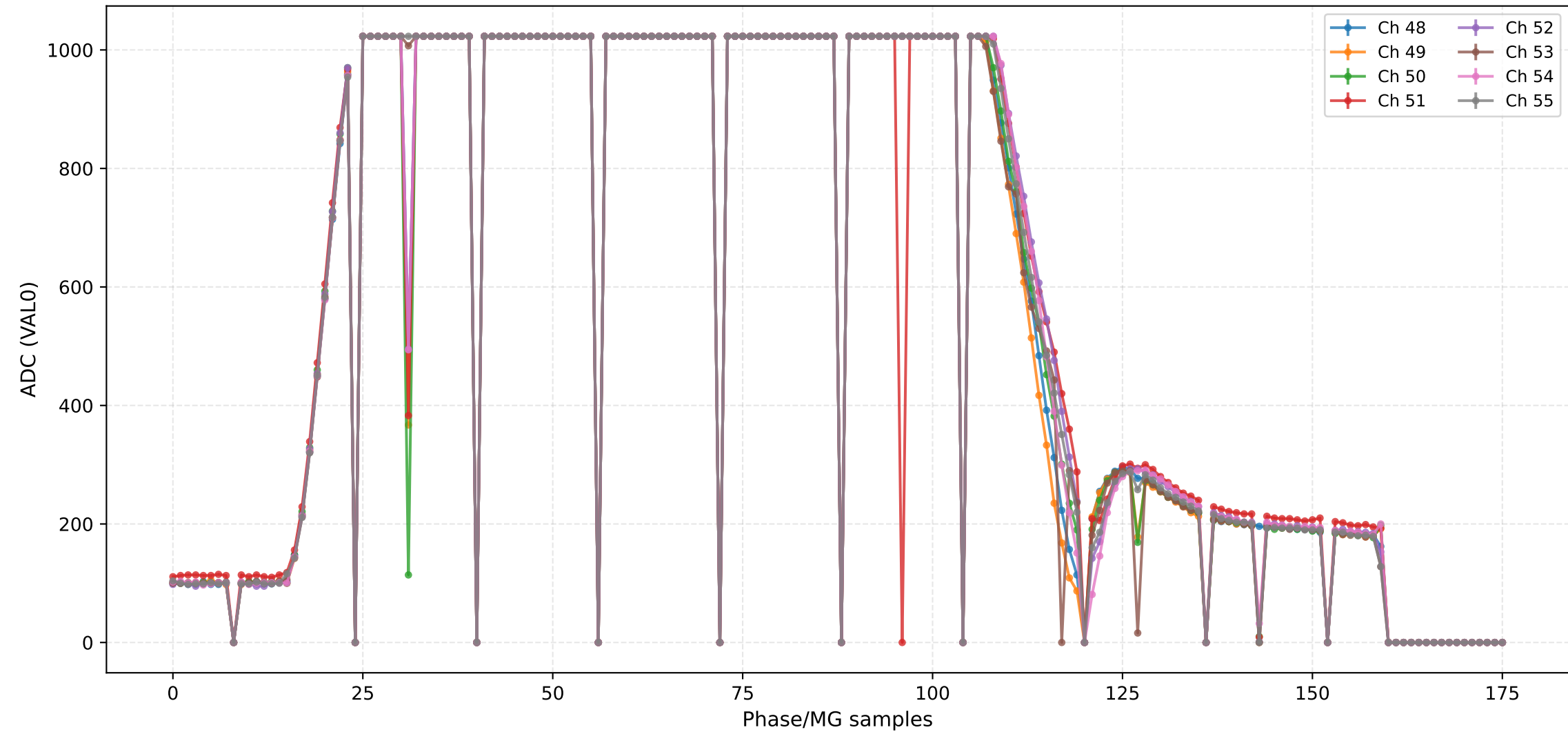
## ADC (VAL0) - Channels 32 to 39



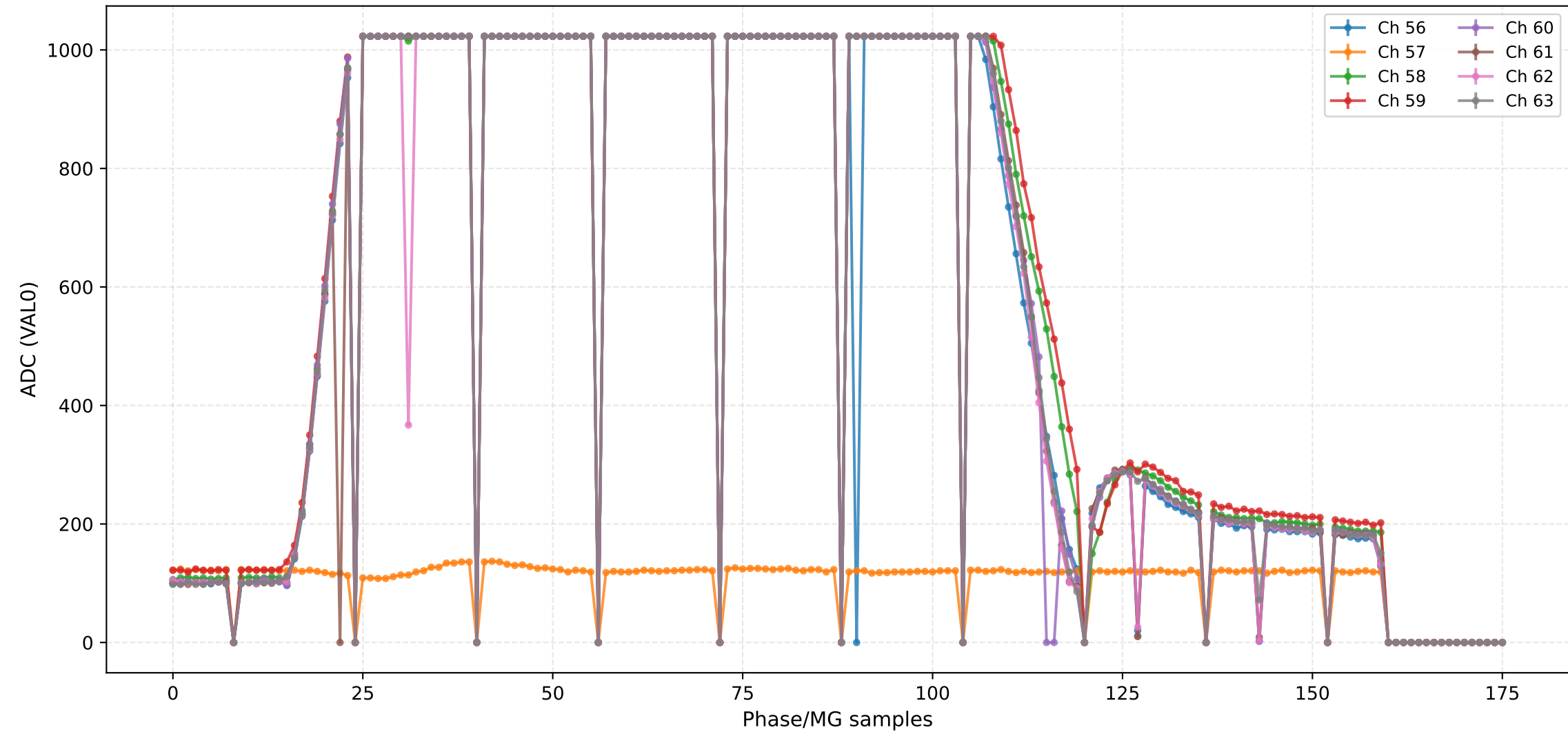
ADC (VAL0) - Channels 40 to 47



### ADC (VAL0) - Channels 48 to 55

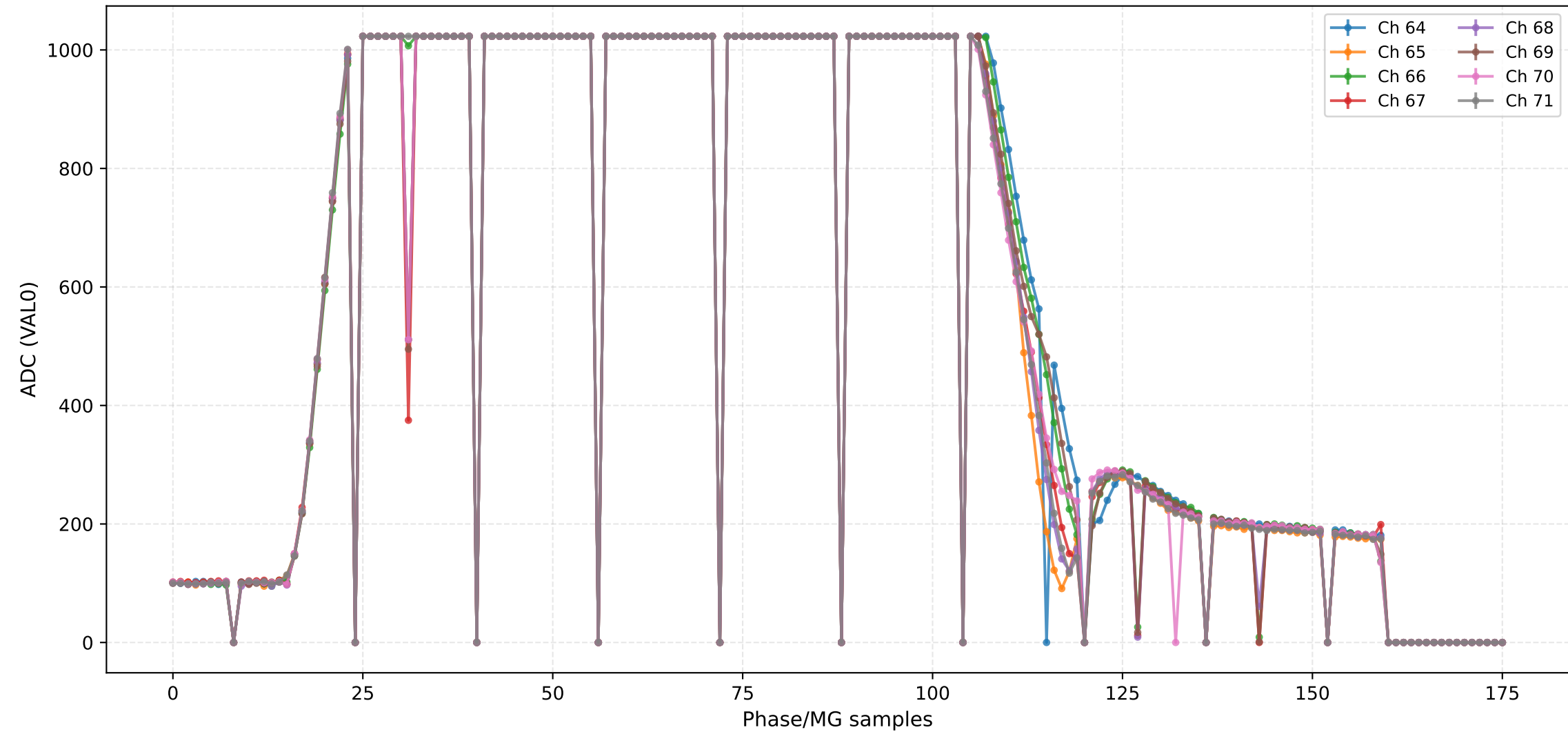


## ADC (VAL0) - Channels 56 to 63

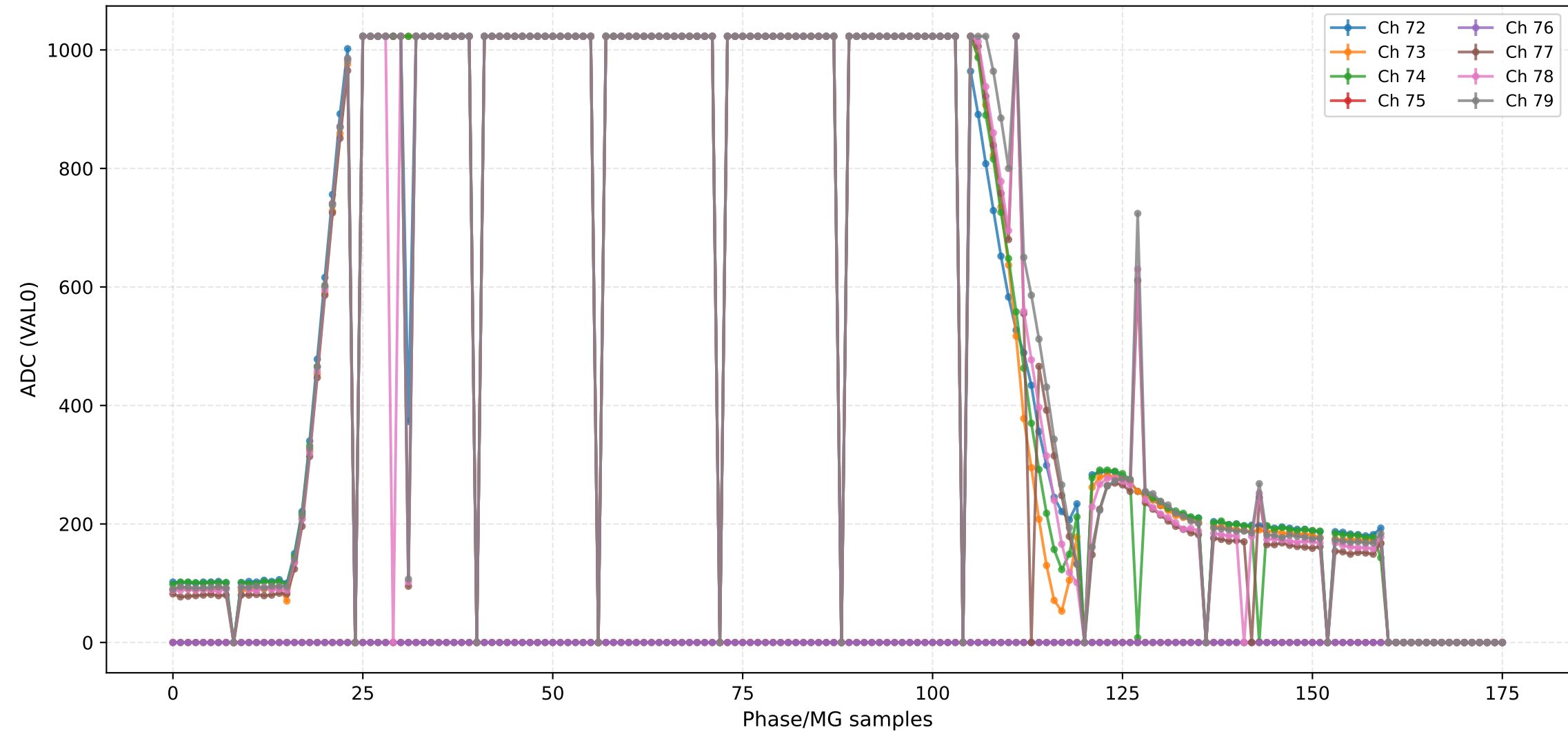




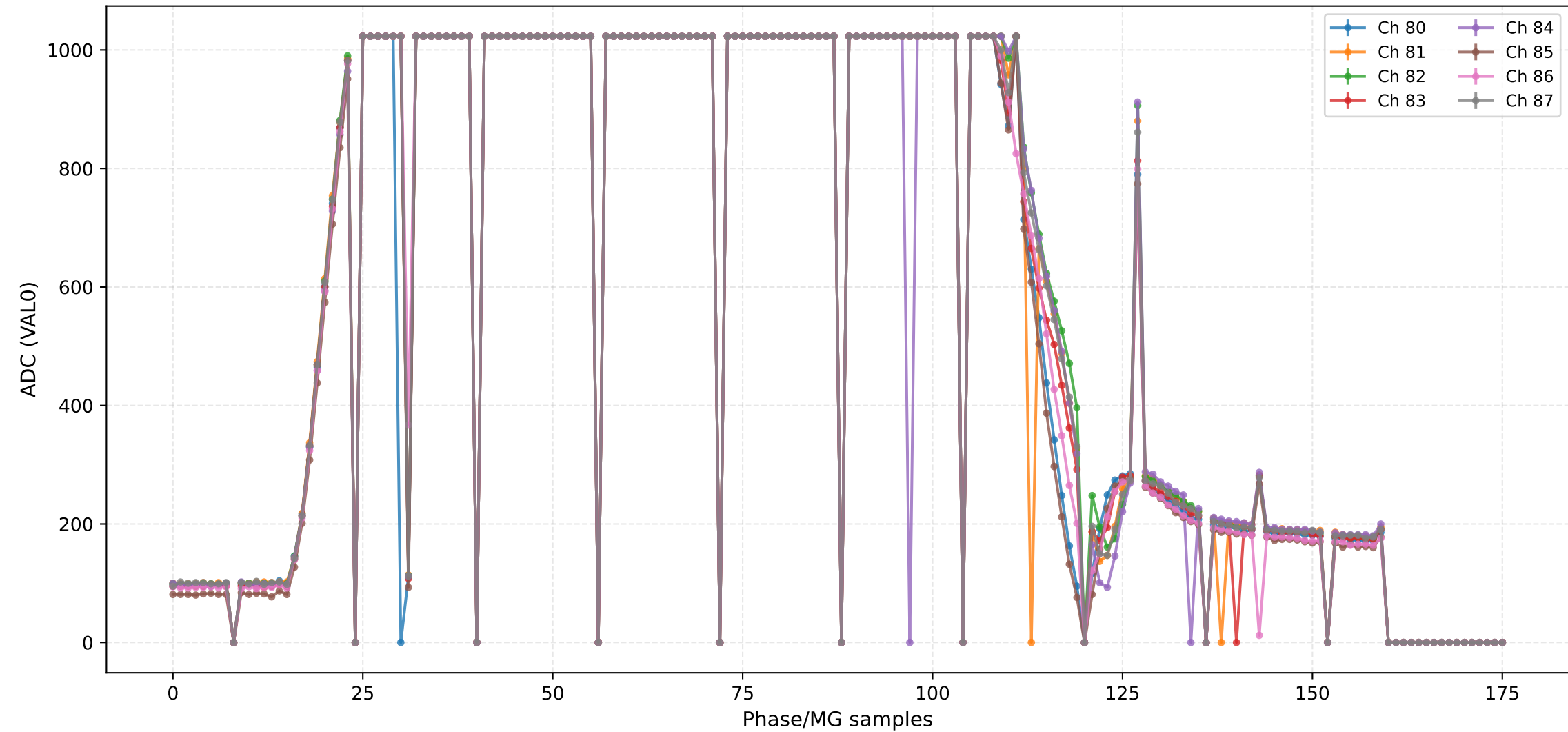
## ADC (VAL0) - Channels 64 to 71



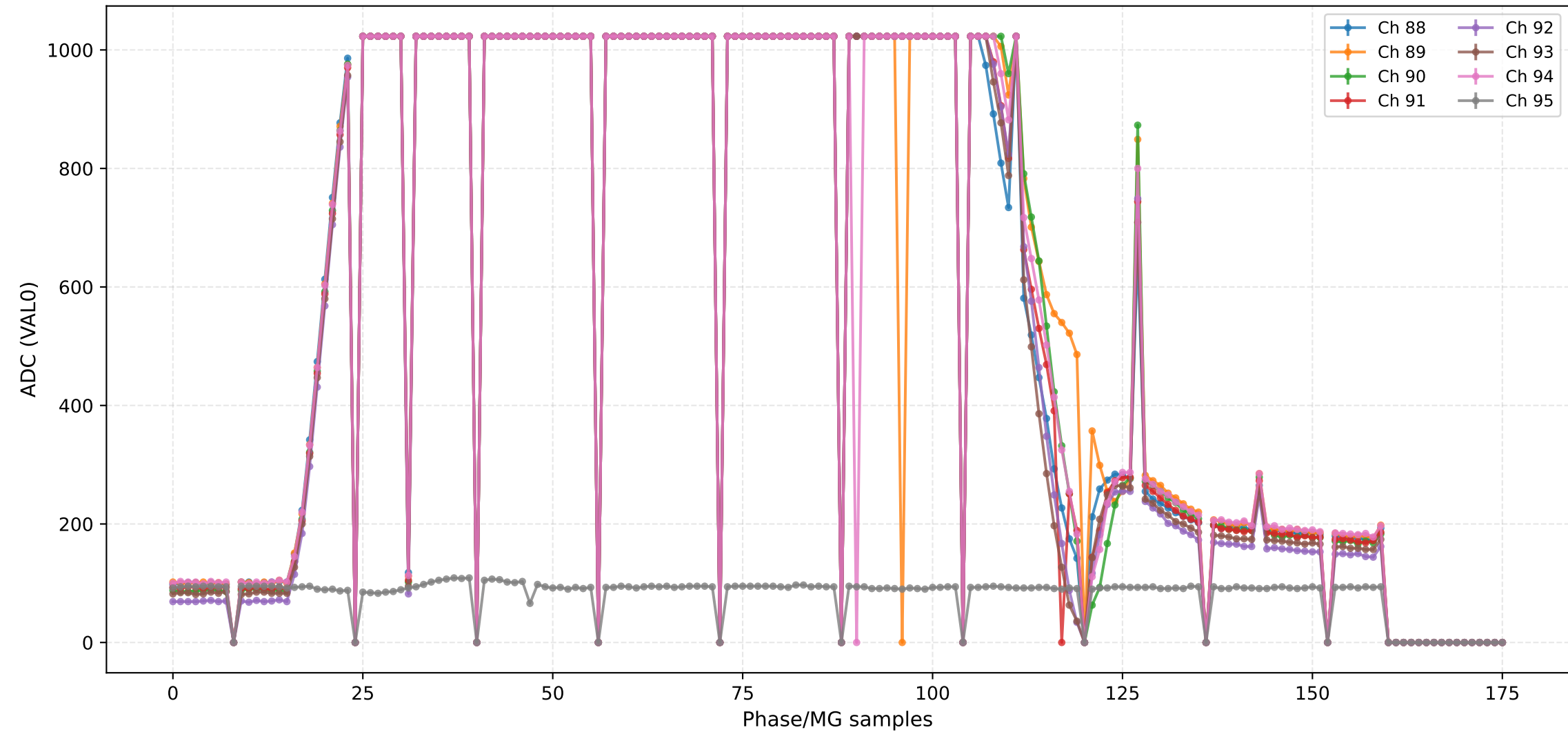
## ADC (VAL0) - Channels 72 to 79



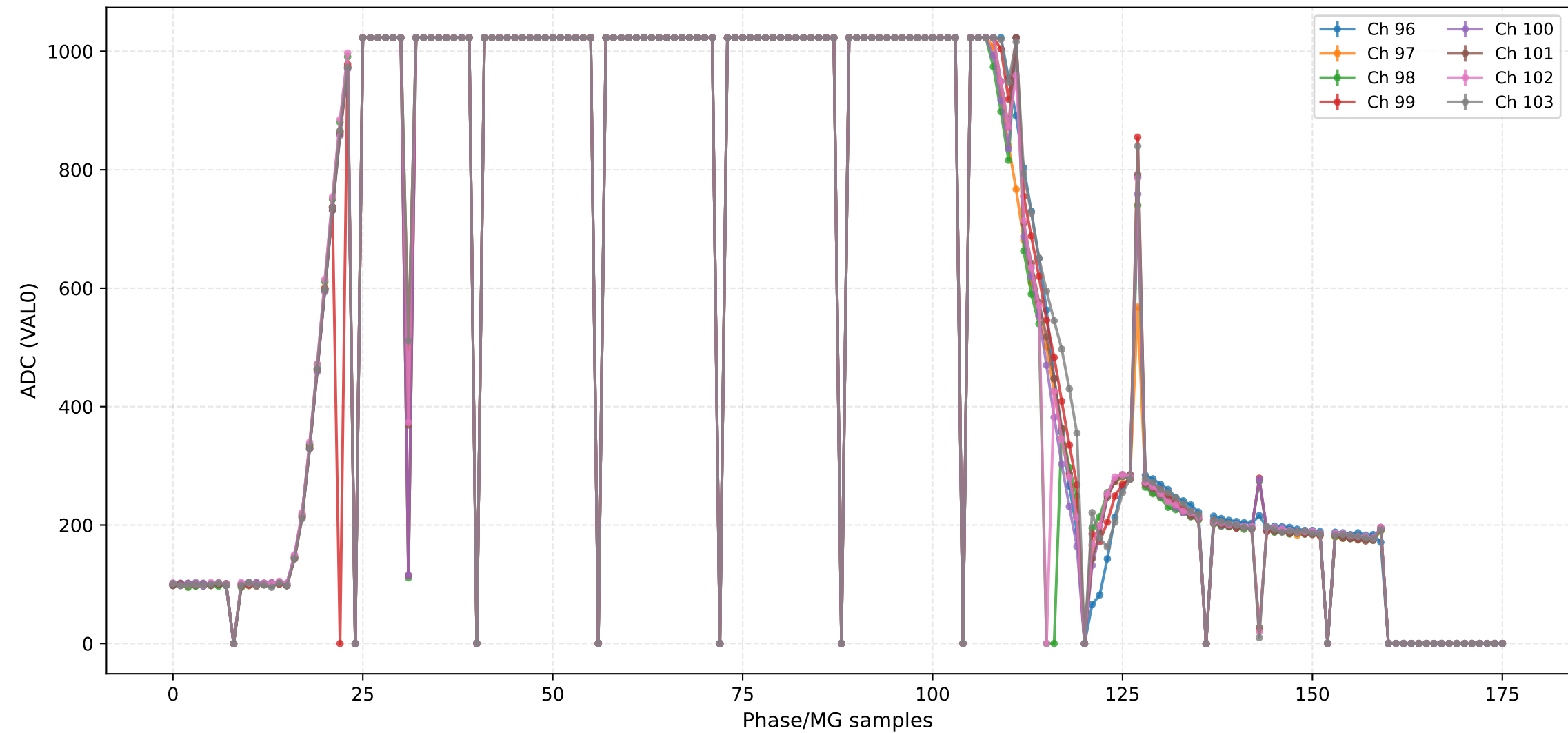
## ADC (VAL0) - Channels 80 to 87



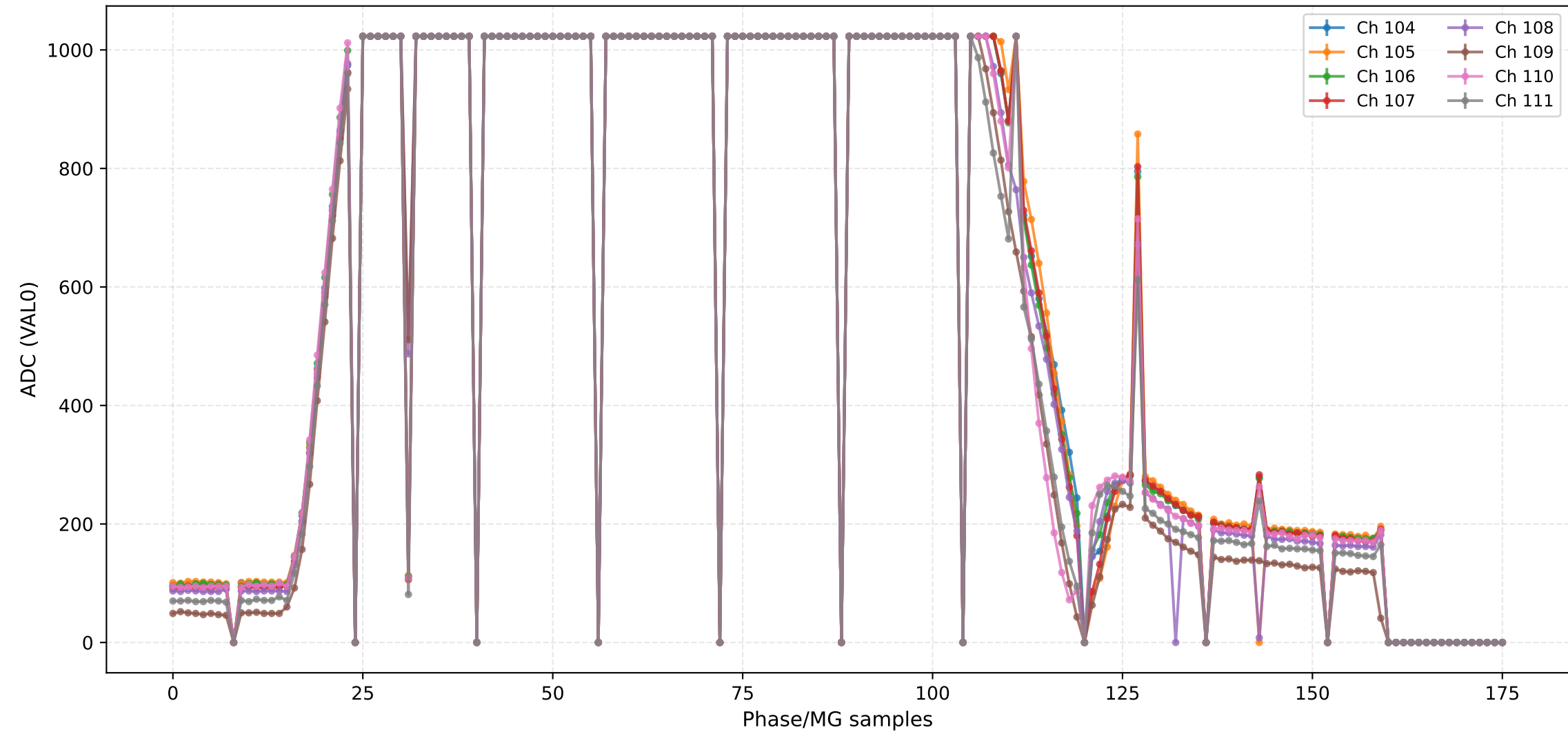
## ADC (VAL0) - Channels 88 to 95



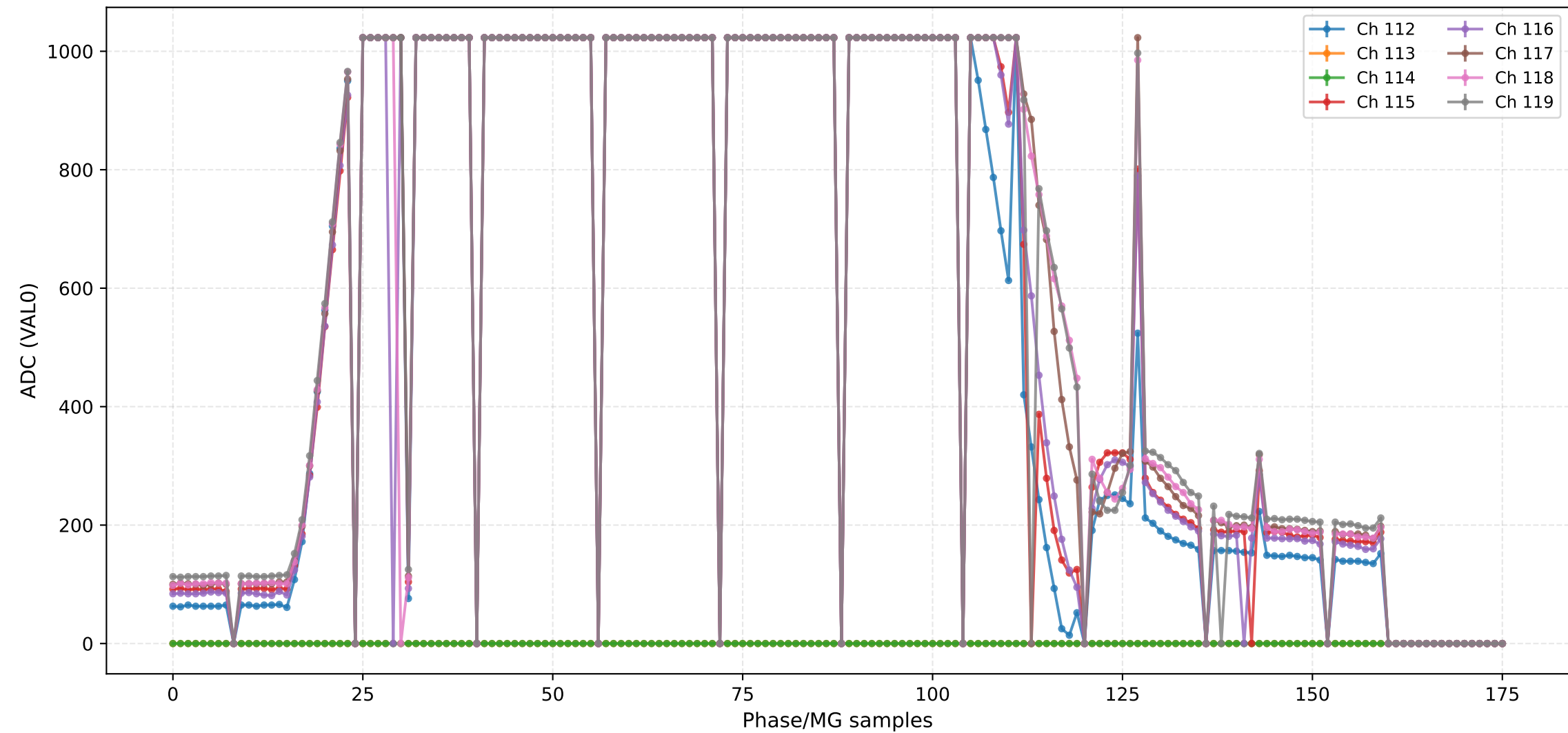
ADC (VAL0) - Channels 96 to 103



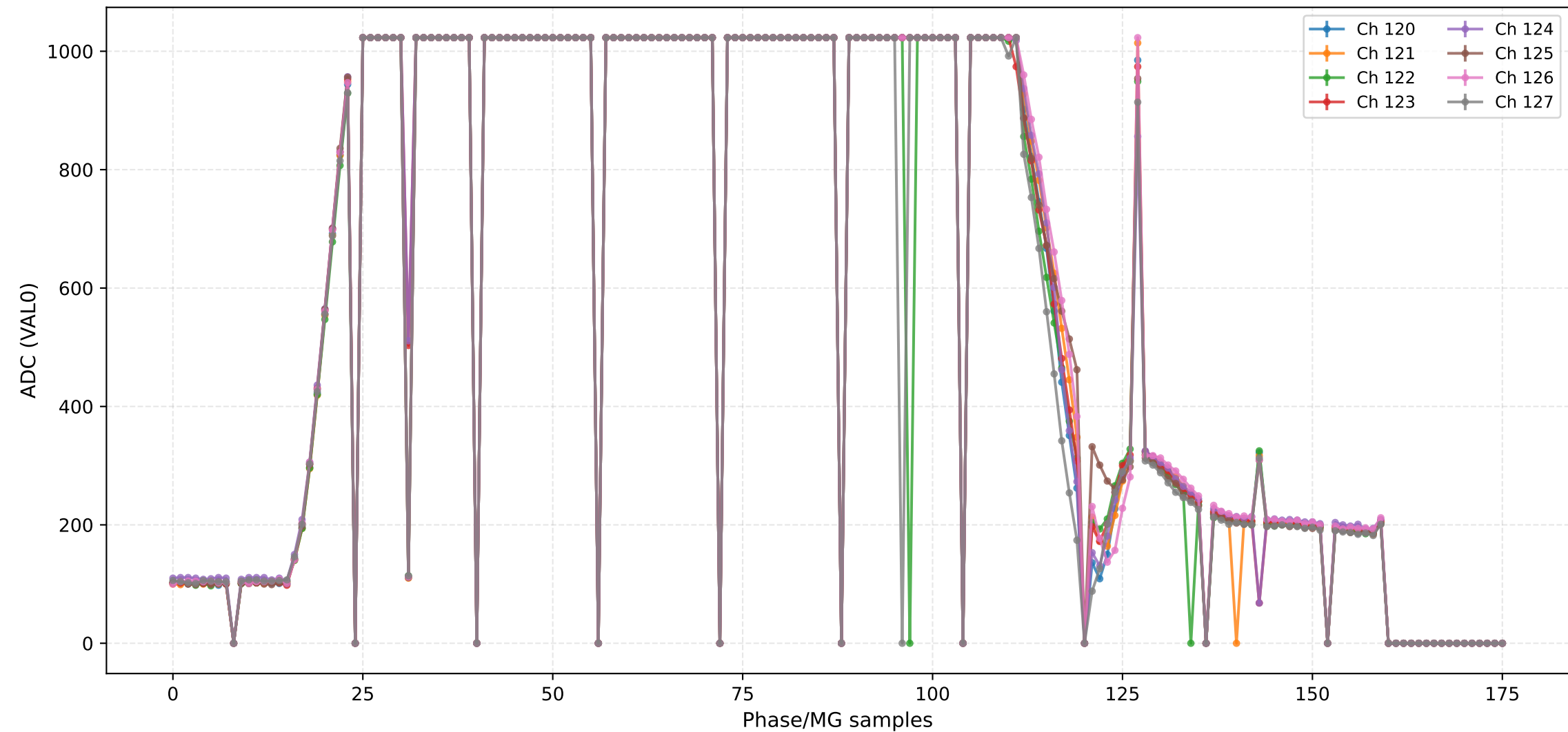
## ADC (VAL0) - Channels 104 to 111



## ADC (VAL0) - Channels 112 to 119

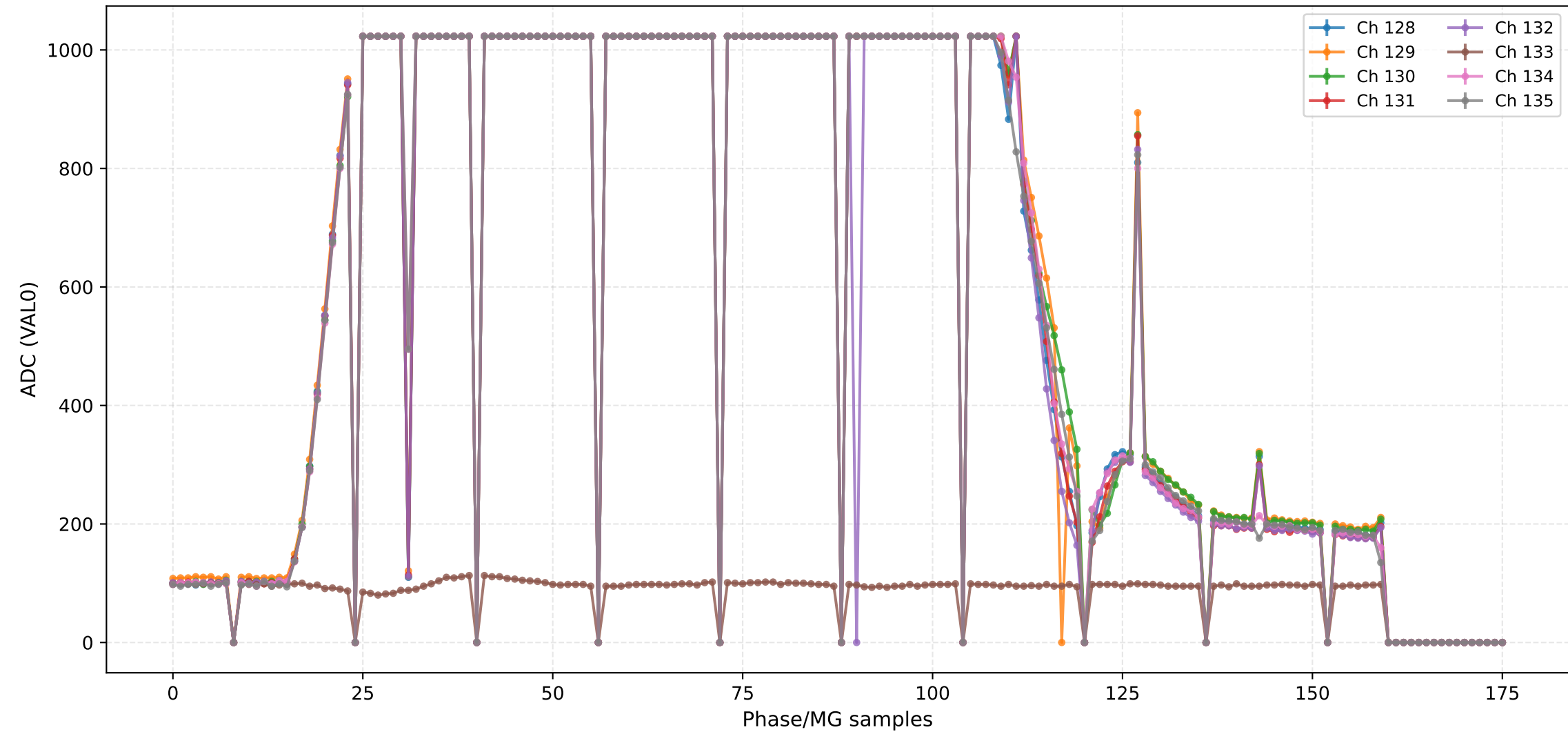


ADC (VAL0) - Channels 120 to 127

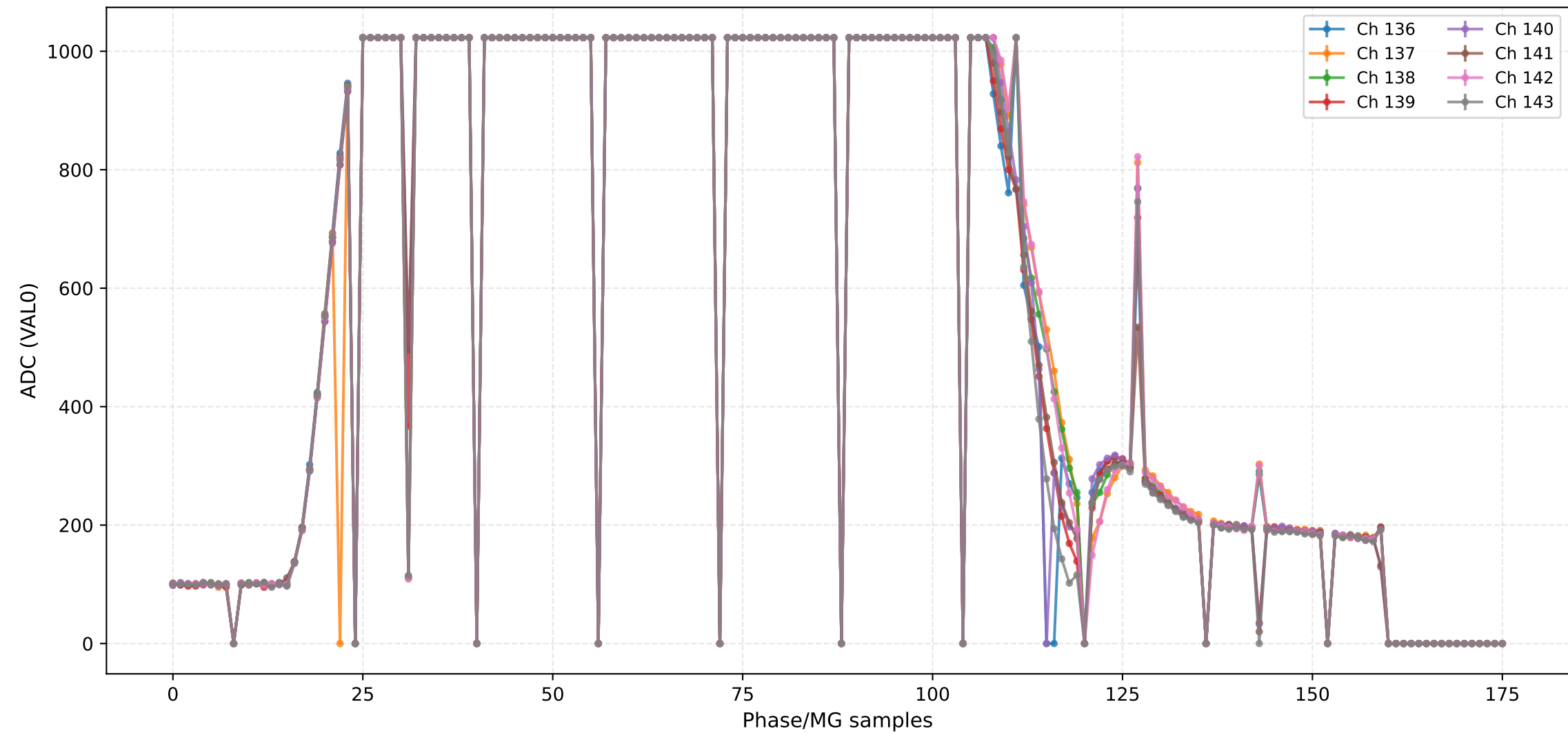




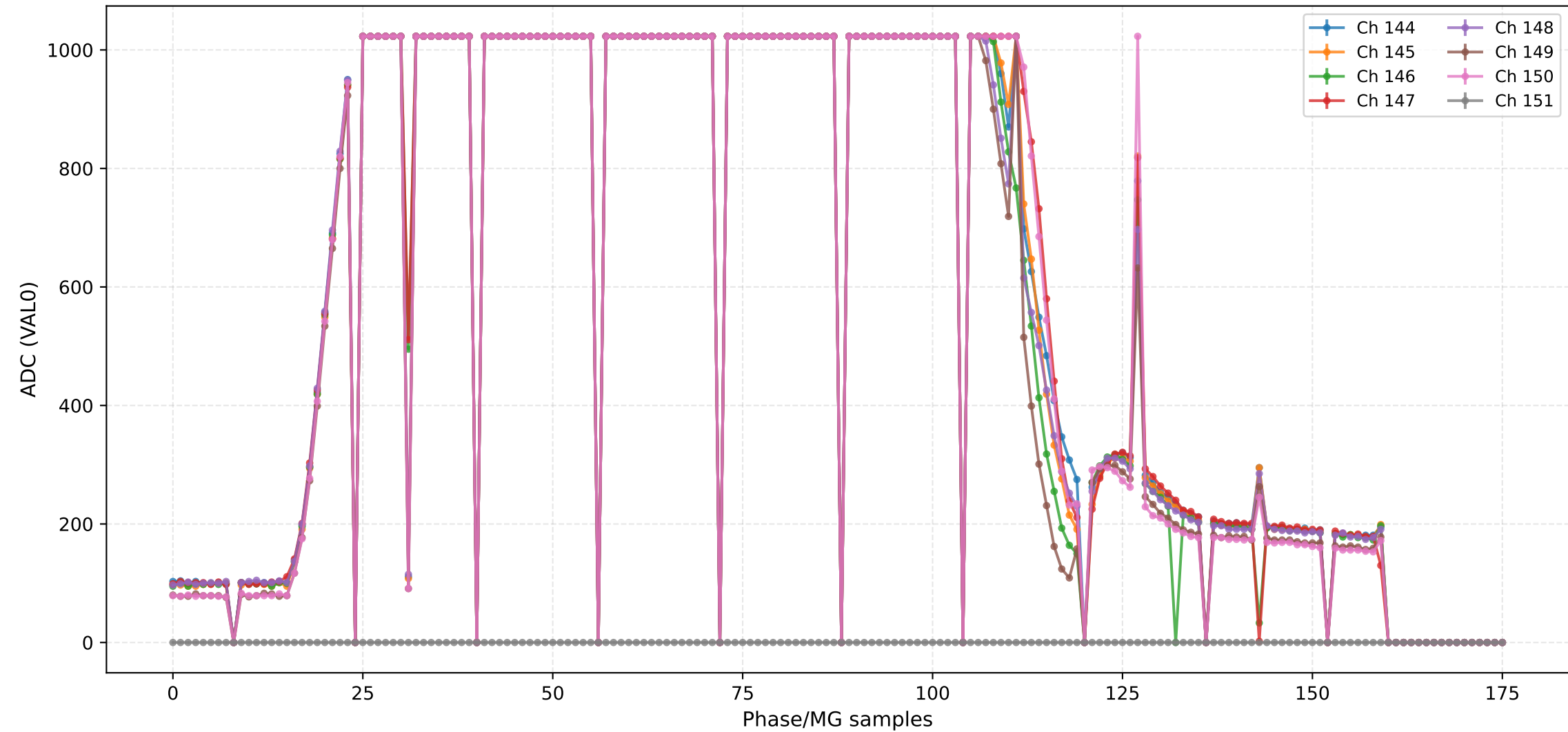
ADC (VAL0) - Channels 128 to 135



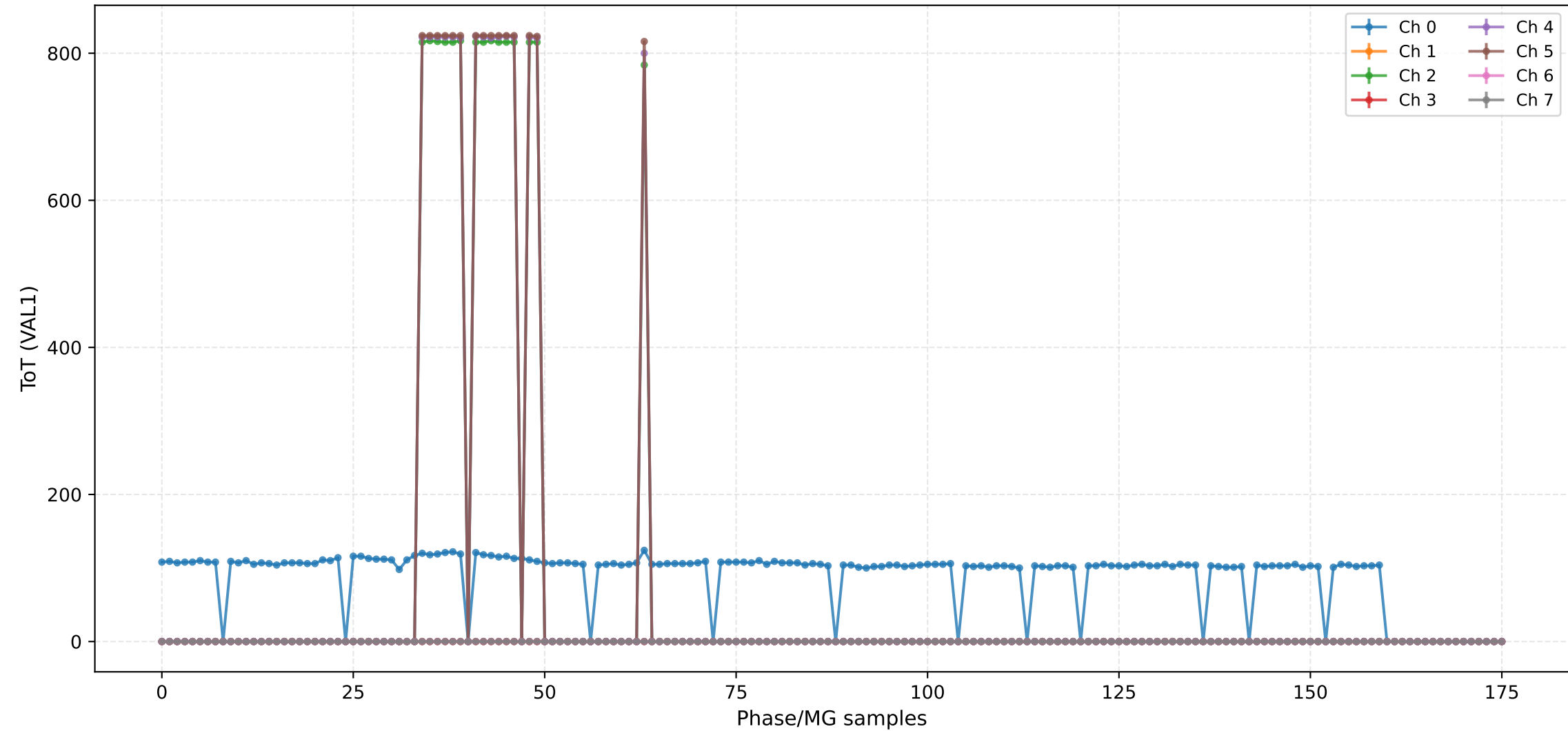
ADC (VAL0) - Channels 136 to 143



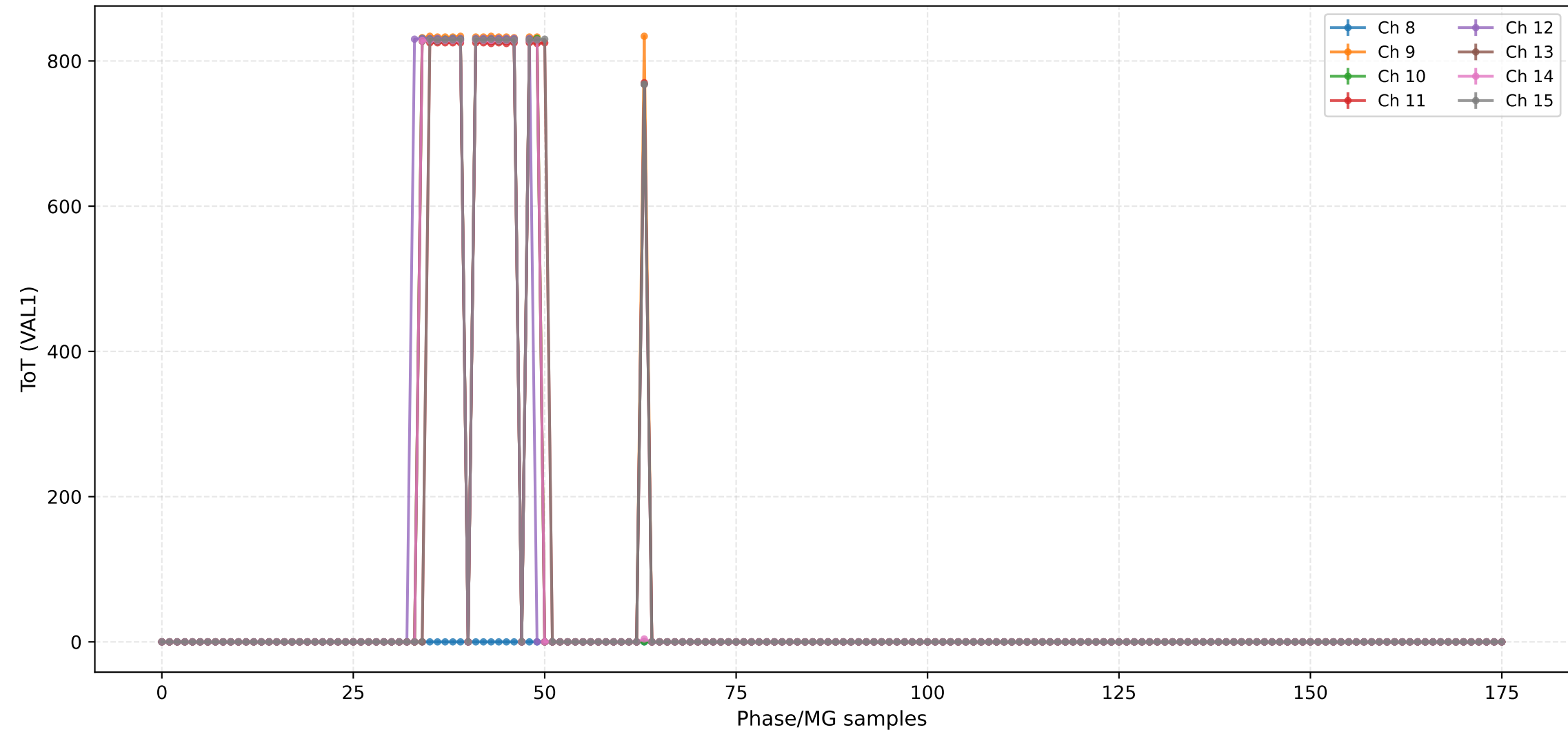
### ADC (VAL0) - Channels 144 to 151



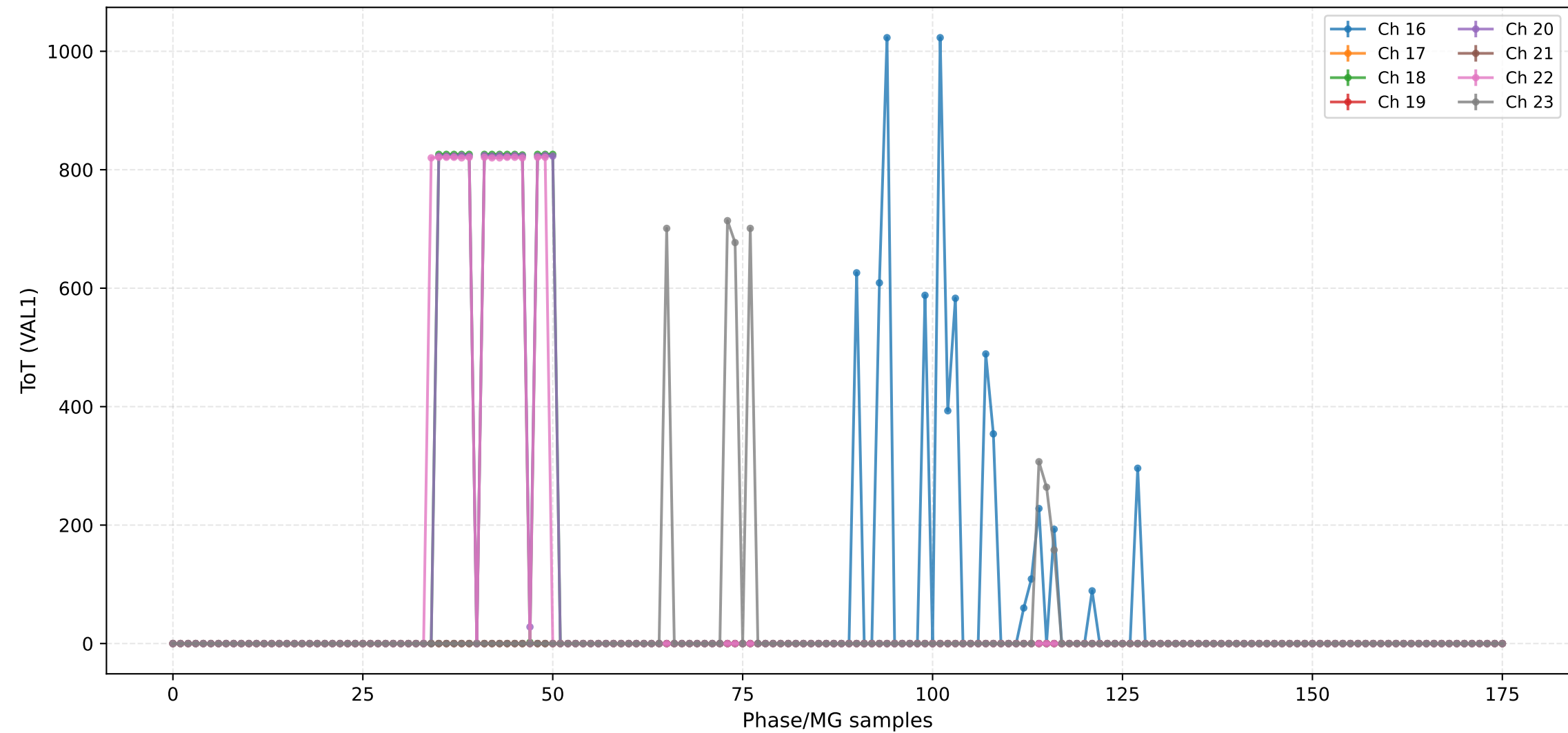
ToT (VAL1) - Channels 0 to 7



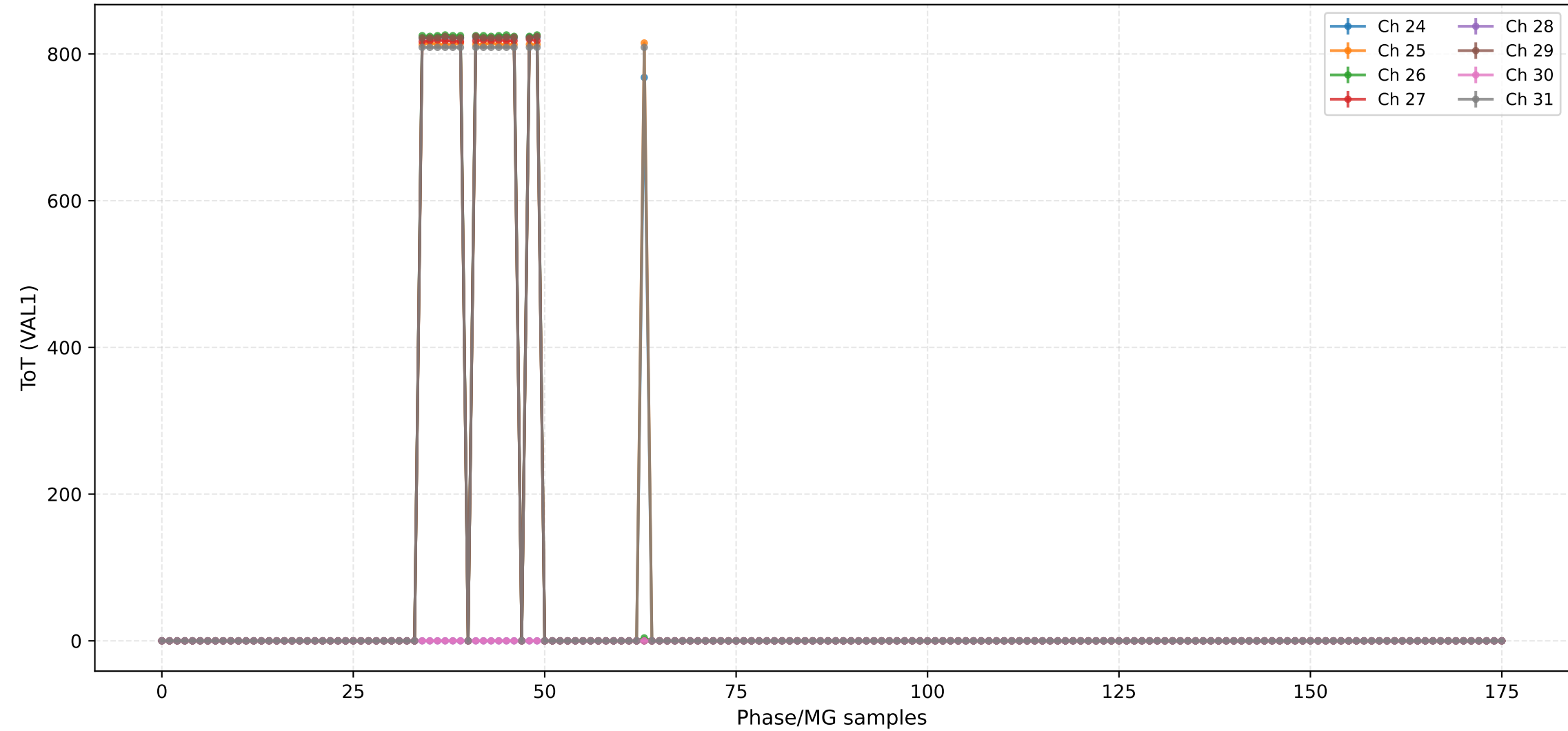
## ToT (VAL1) - Channels 8 to 15



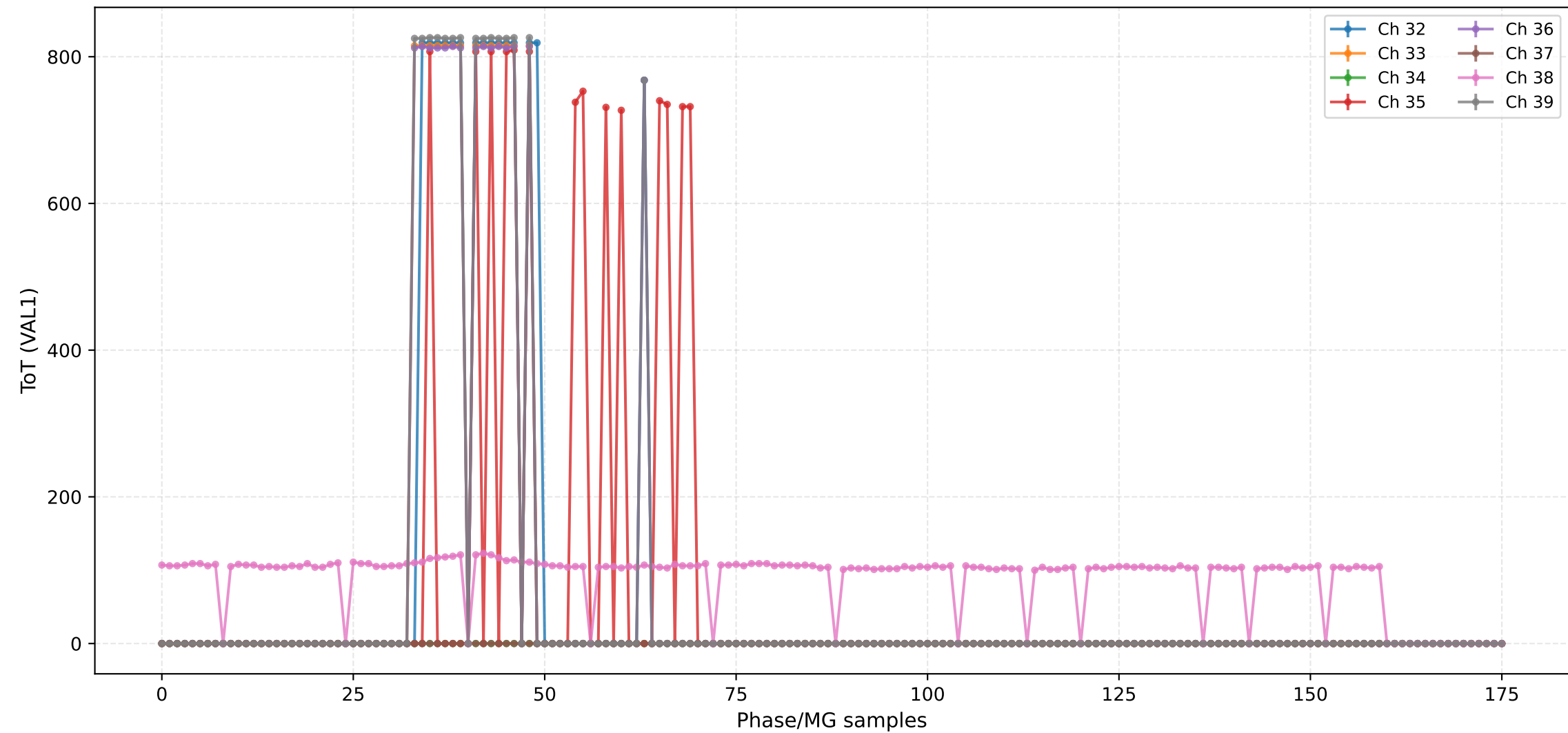
## ToT (VAL1) - Channels 16 to 23



ToT (VAL1) - Channels 24 to 31

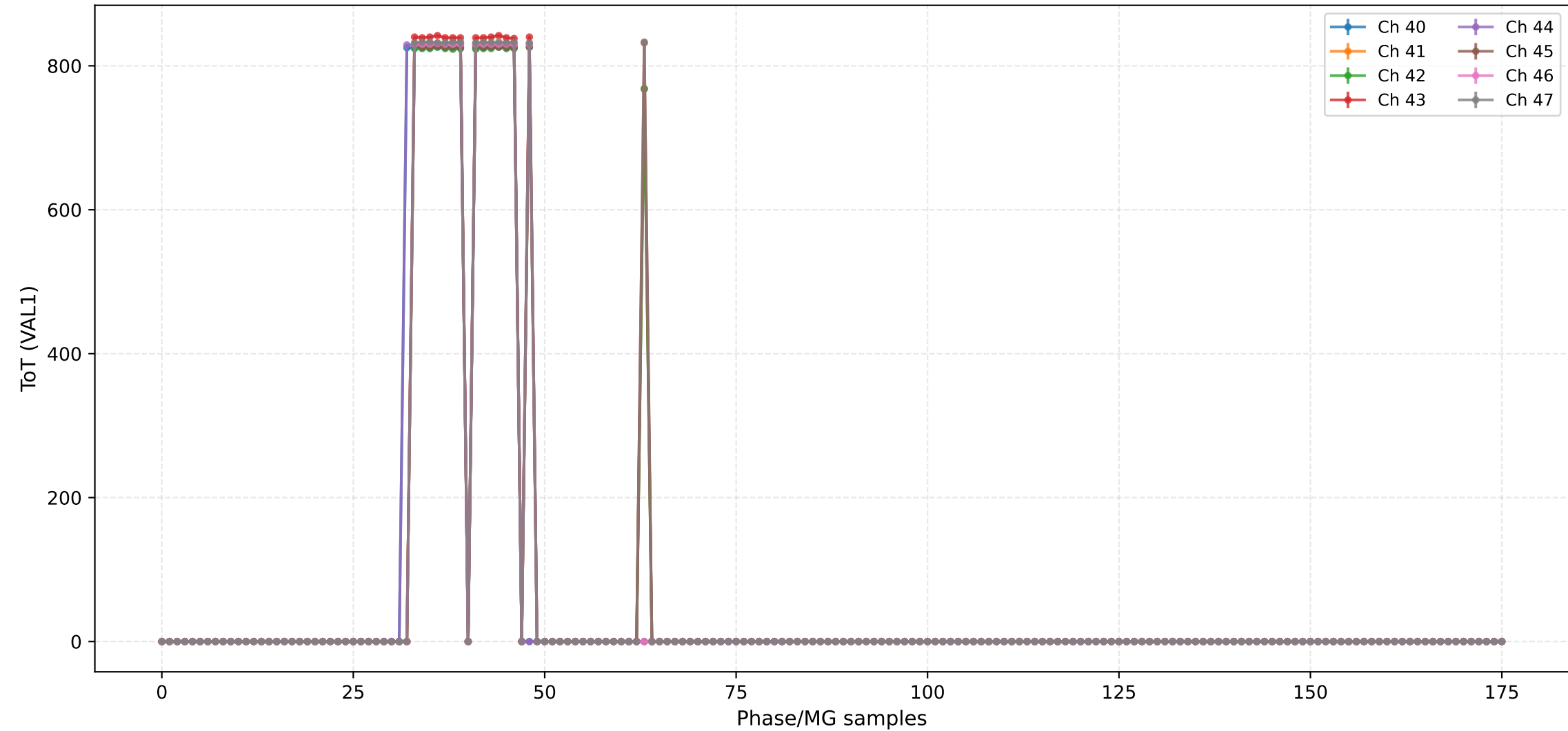


ToT (VAL1) - Channels 32 to 39

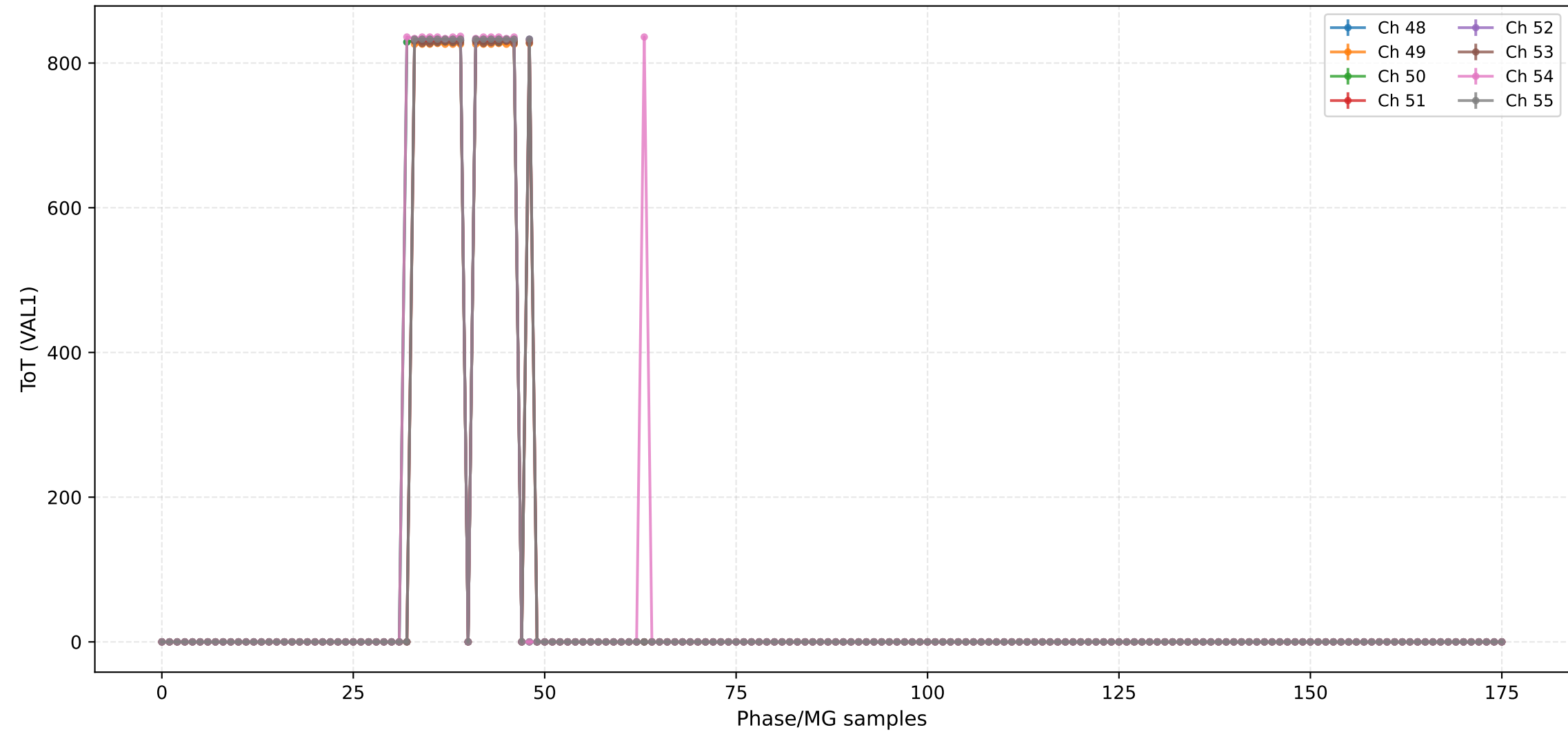




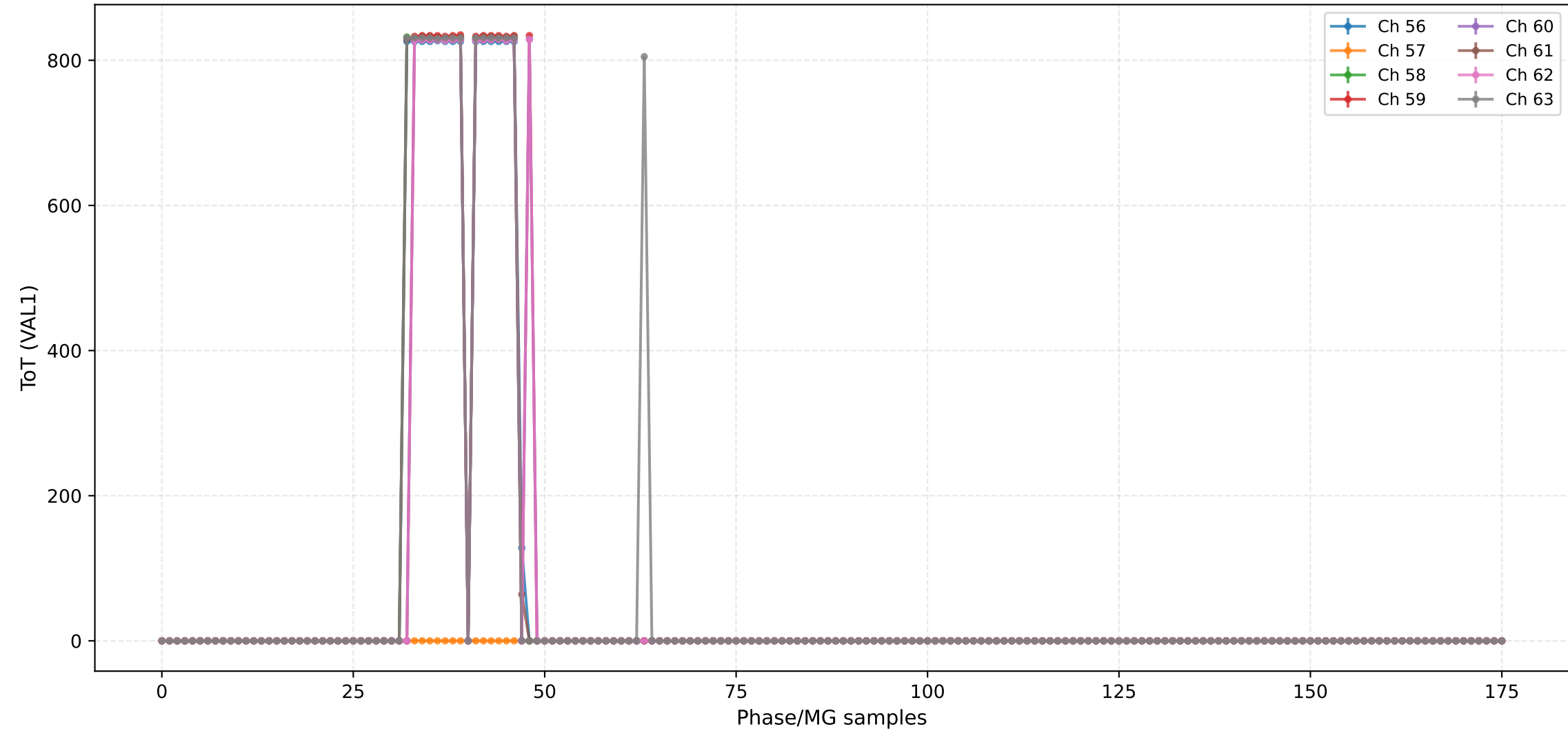
ToT (VAL1) - Channels 40 to 47



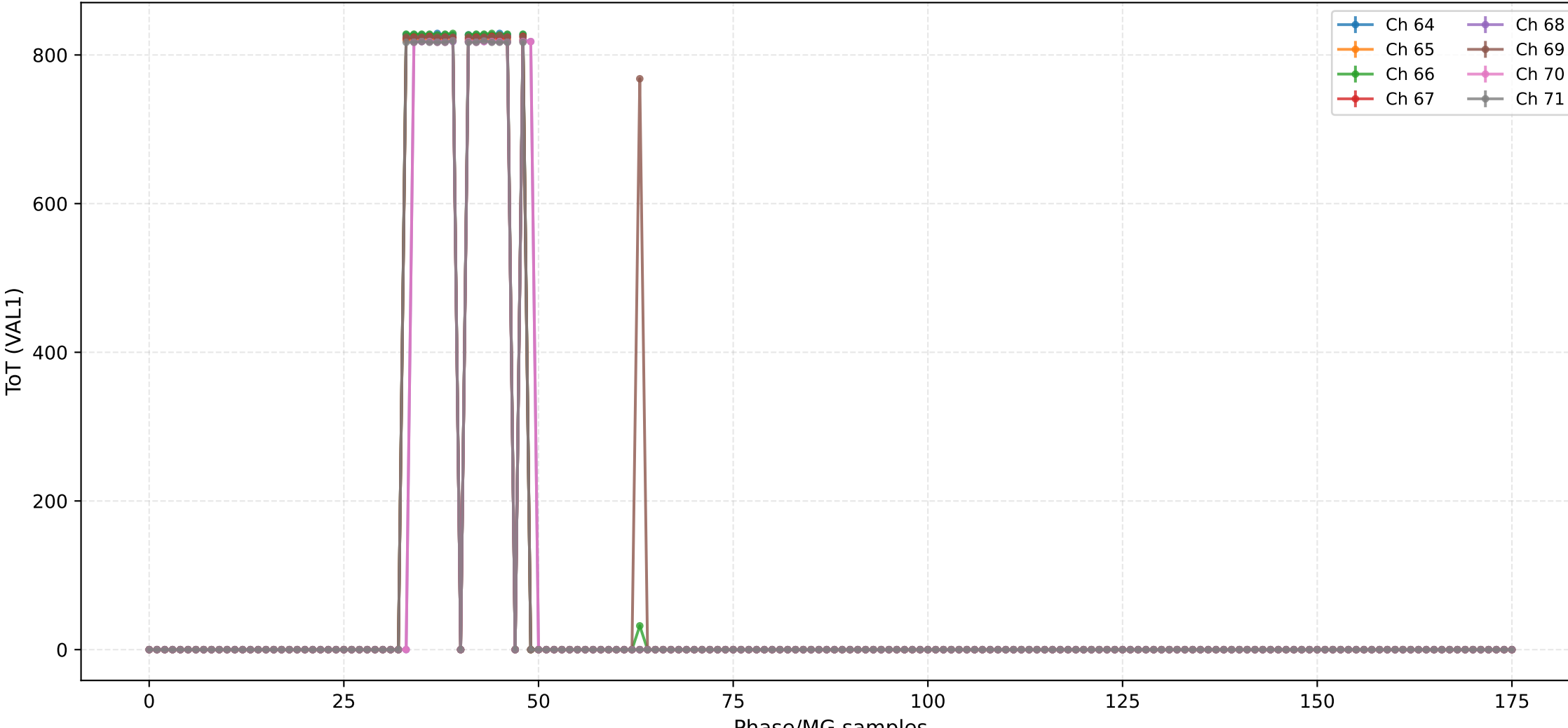
ToT (VAL1) - Channels 48 to 55



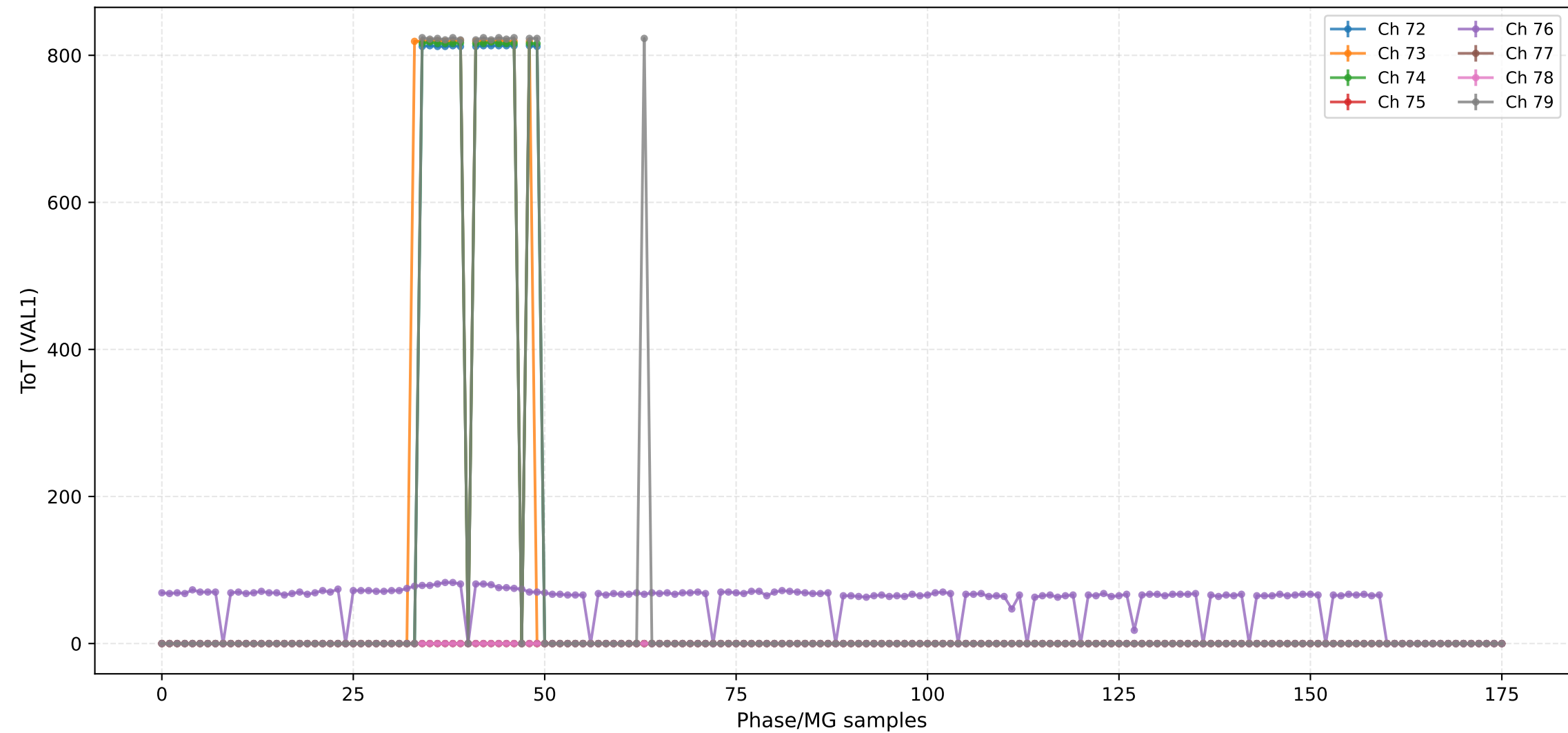
## ToT (VAL1) - Channels 56 to 63



## ToT (VAL1) - Channels 64 to 71

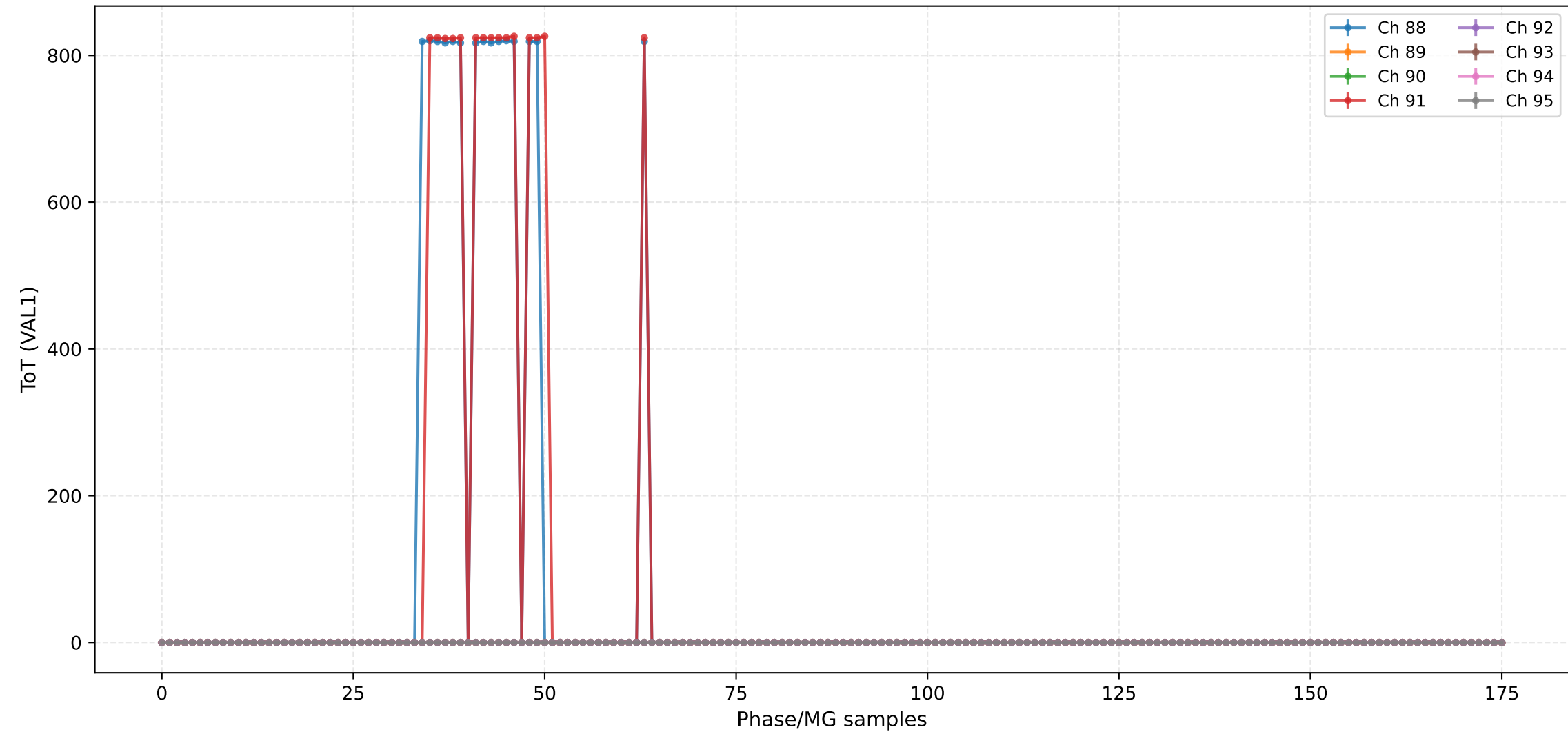


ToT (VAL1) - Channels 72 to 79

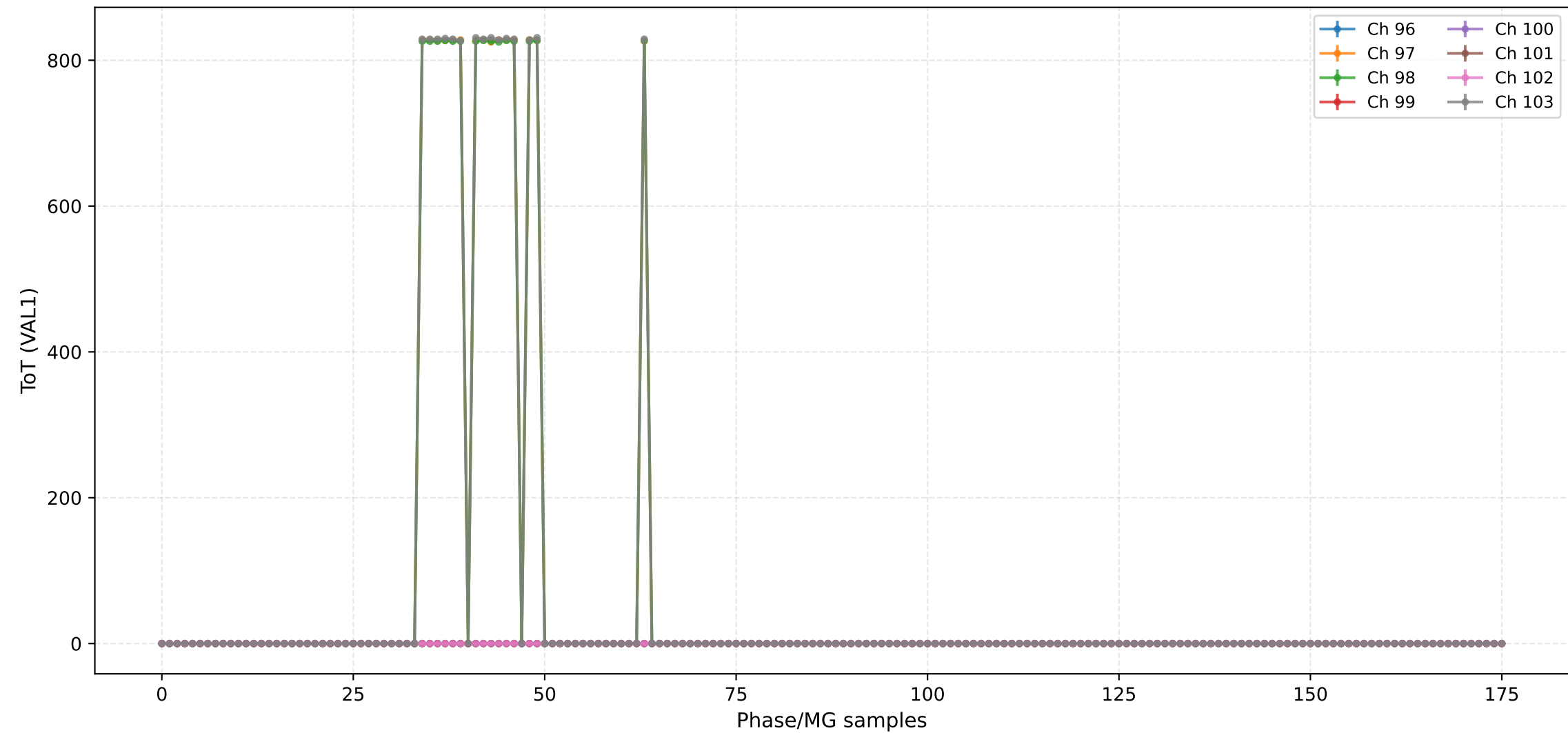




ToT (VAL1) - Channels 88 to 95

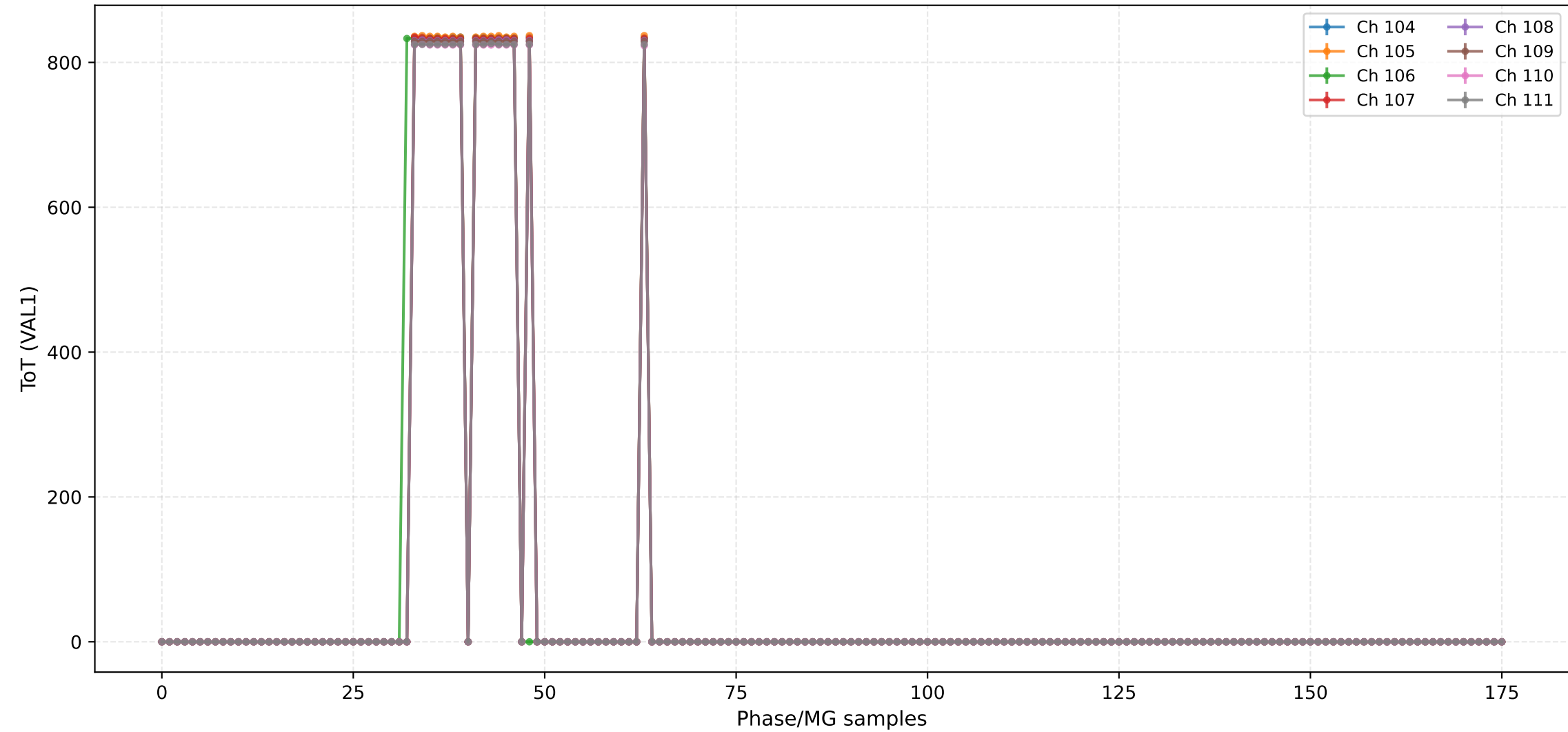


### ToT (VAL1) - Channels 96 to 103

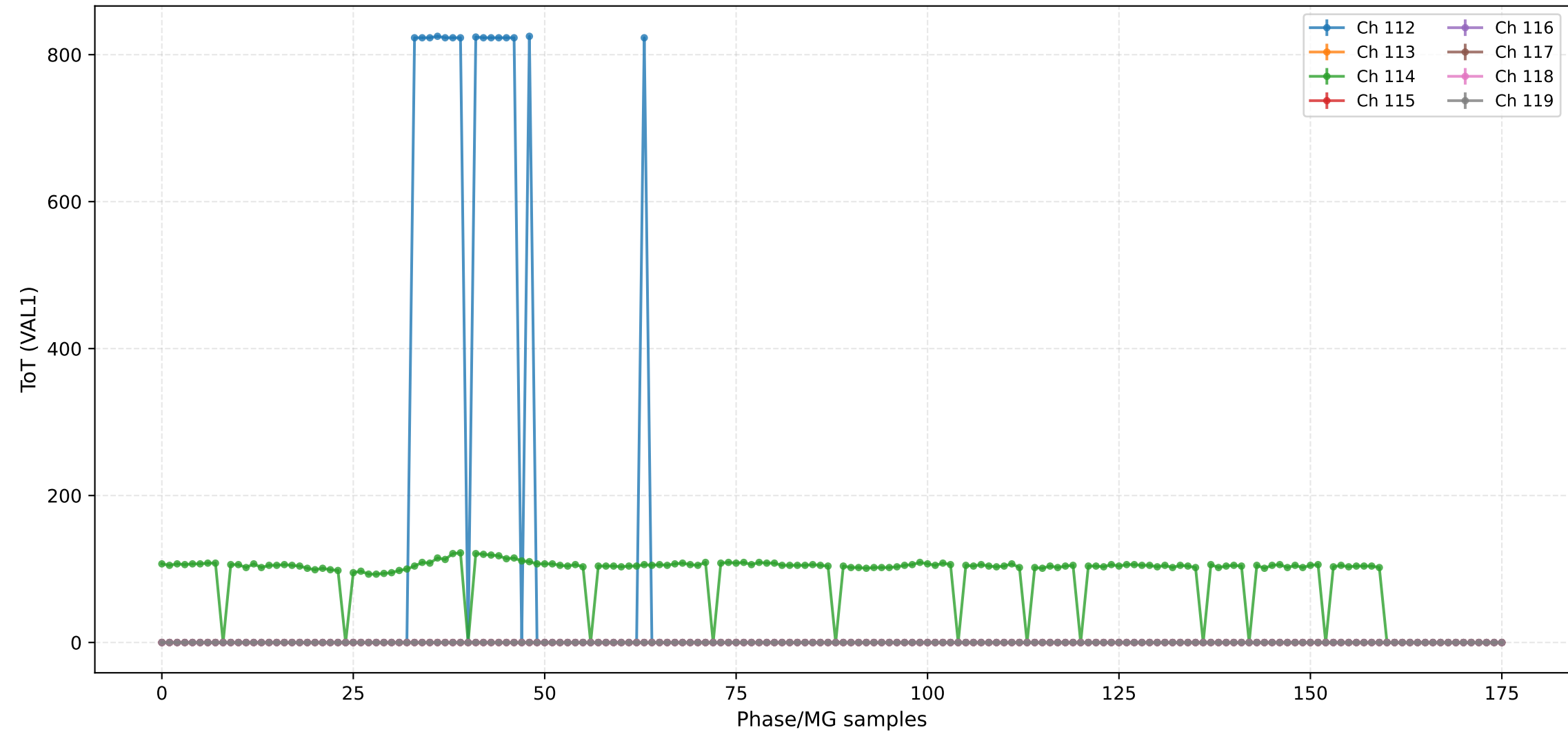




### ToT (VAL1) - Channels 104 to 111



### ToT (VAL1) - Channels 112 to 119



## ToT (VAL1) - Channels 120 to 127



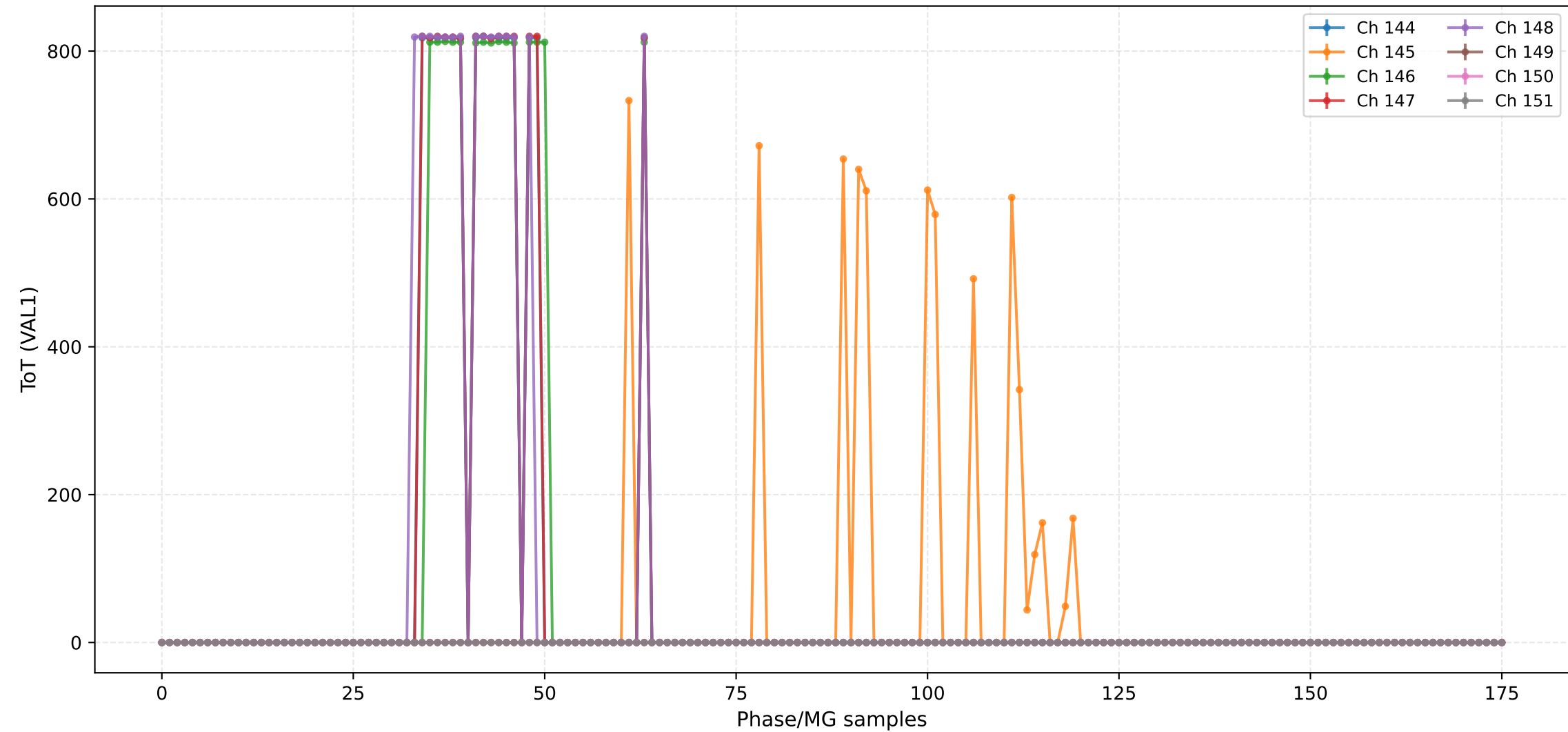
## ToT (VAL1) - Channels 128 to 135



ToT (VAL1) - Channels 136 to 143

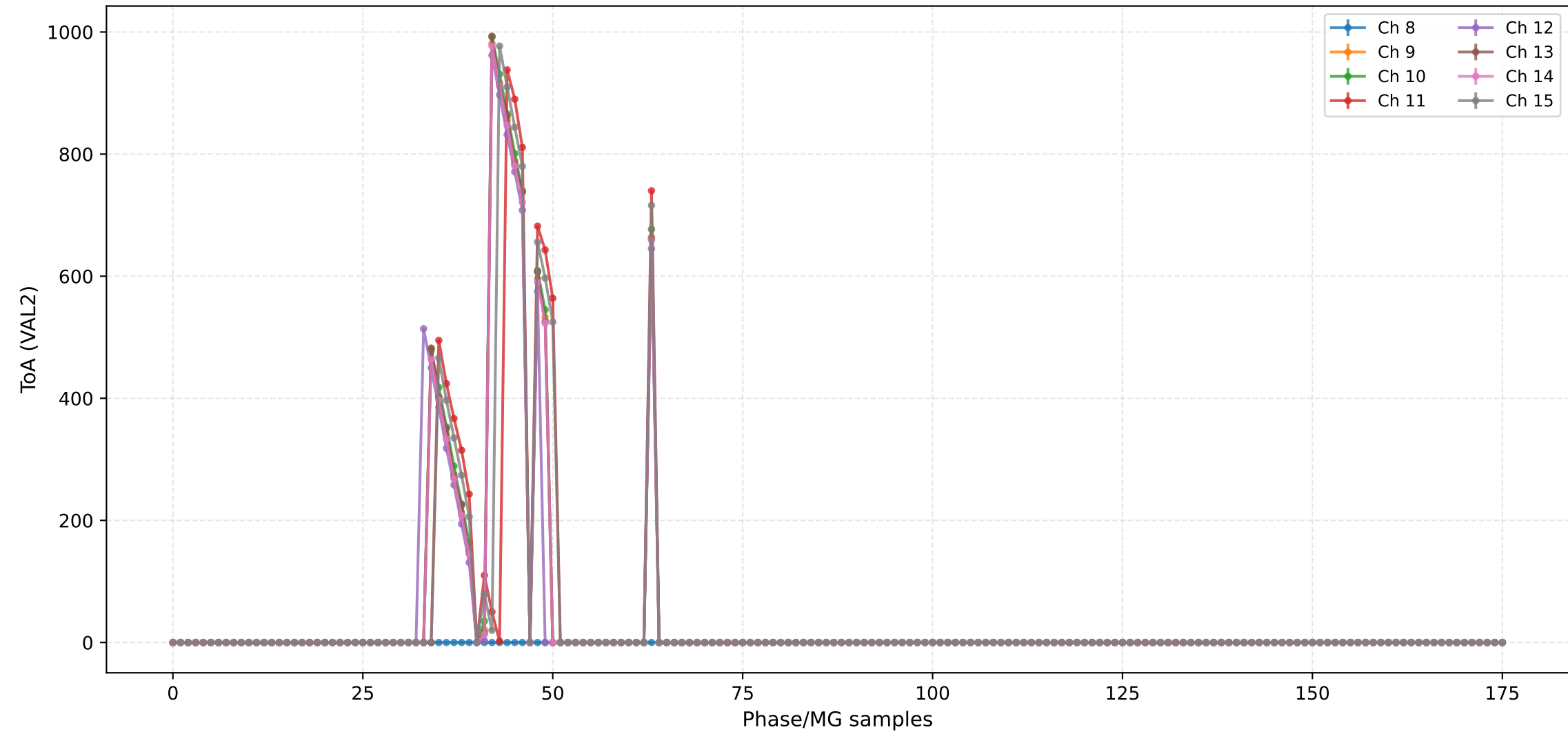


## ToT (VAL1) - Channels 144 to 151



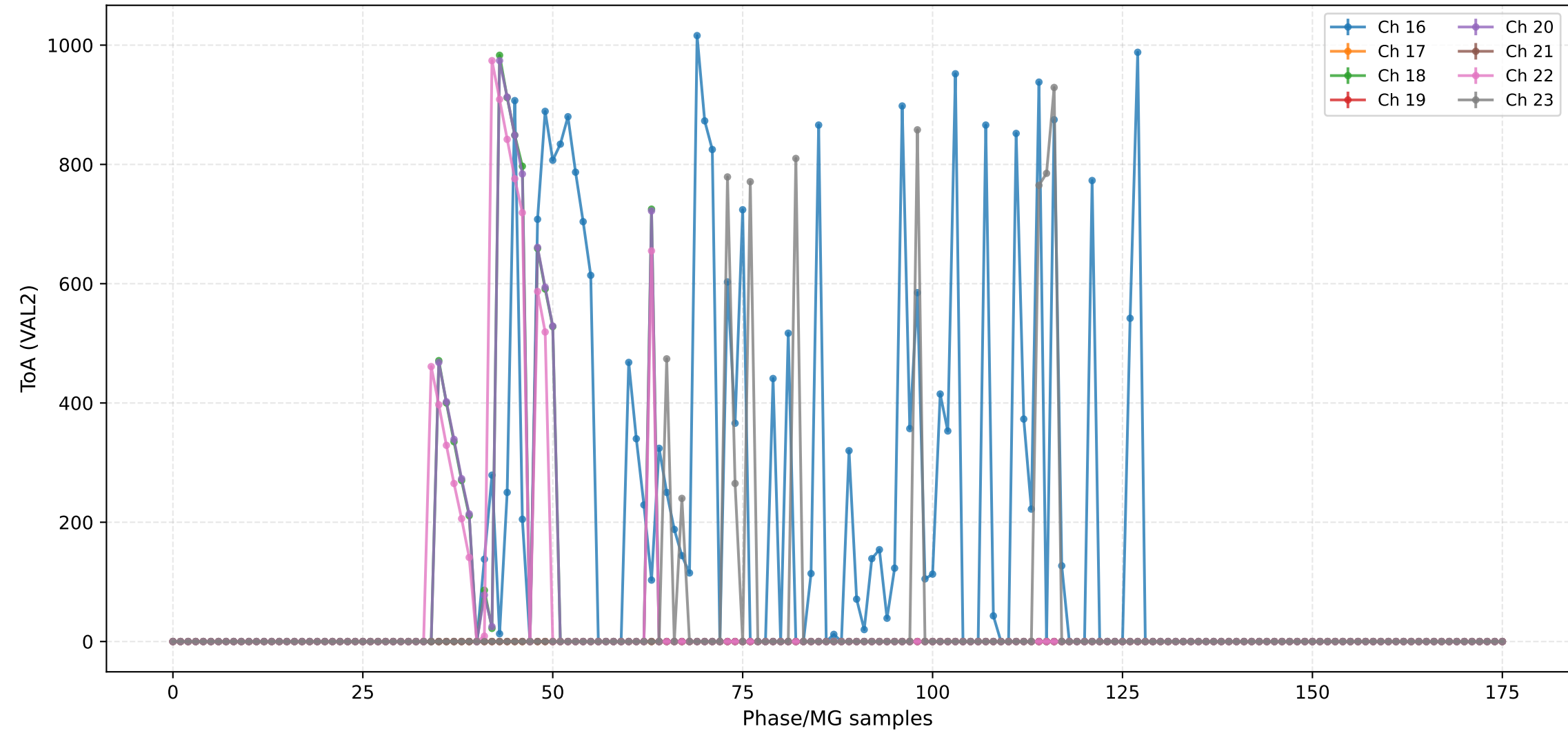


## ToA (VAL2) - Channels 8 to 15





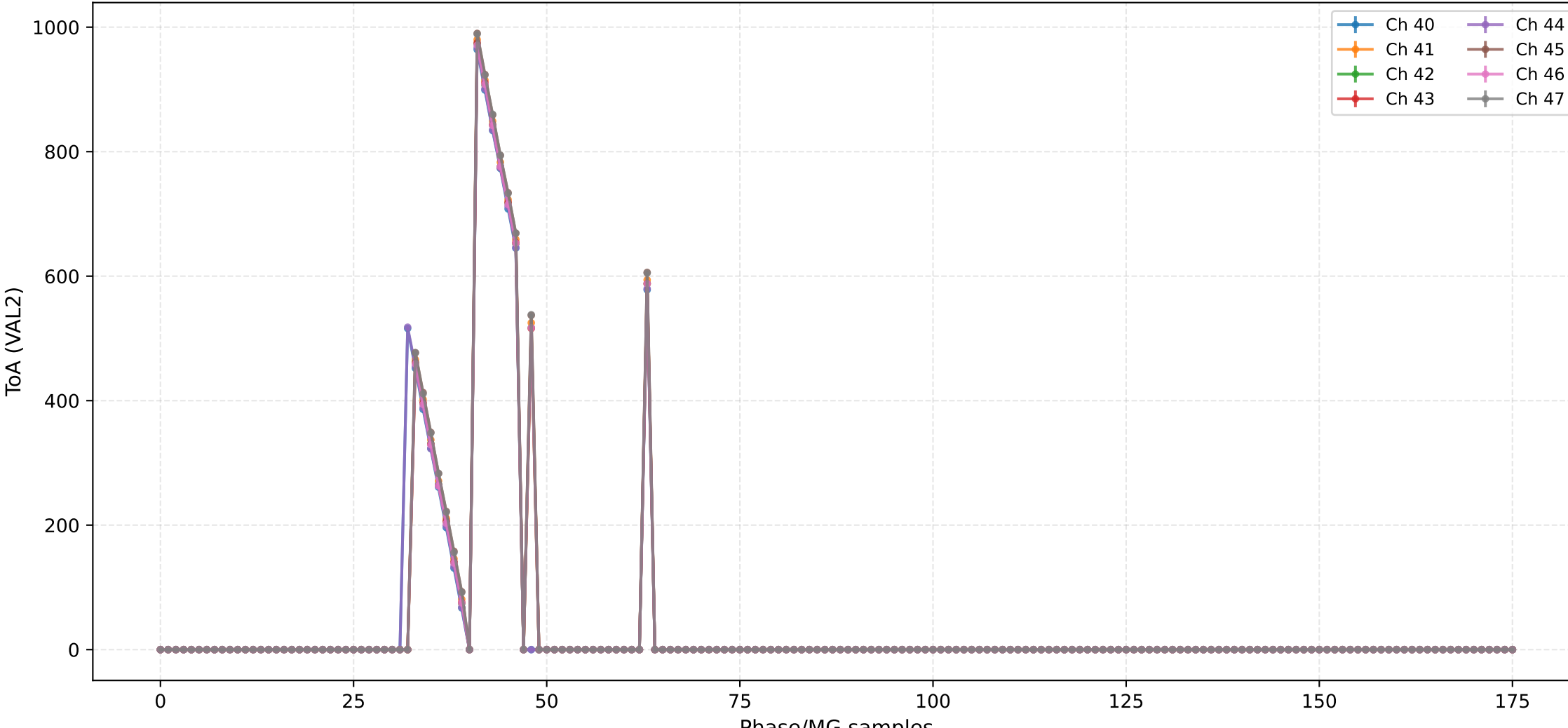
## ToA (VAL2) - Channels 16 to 23





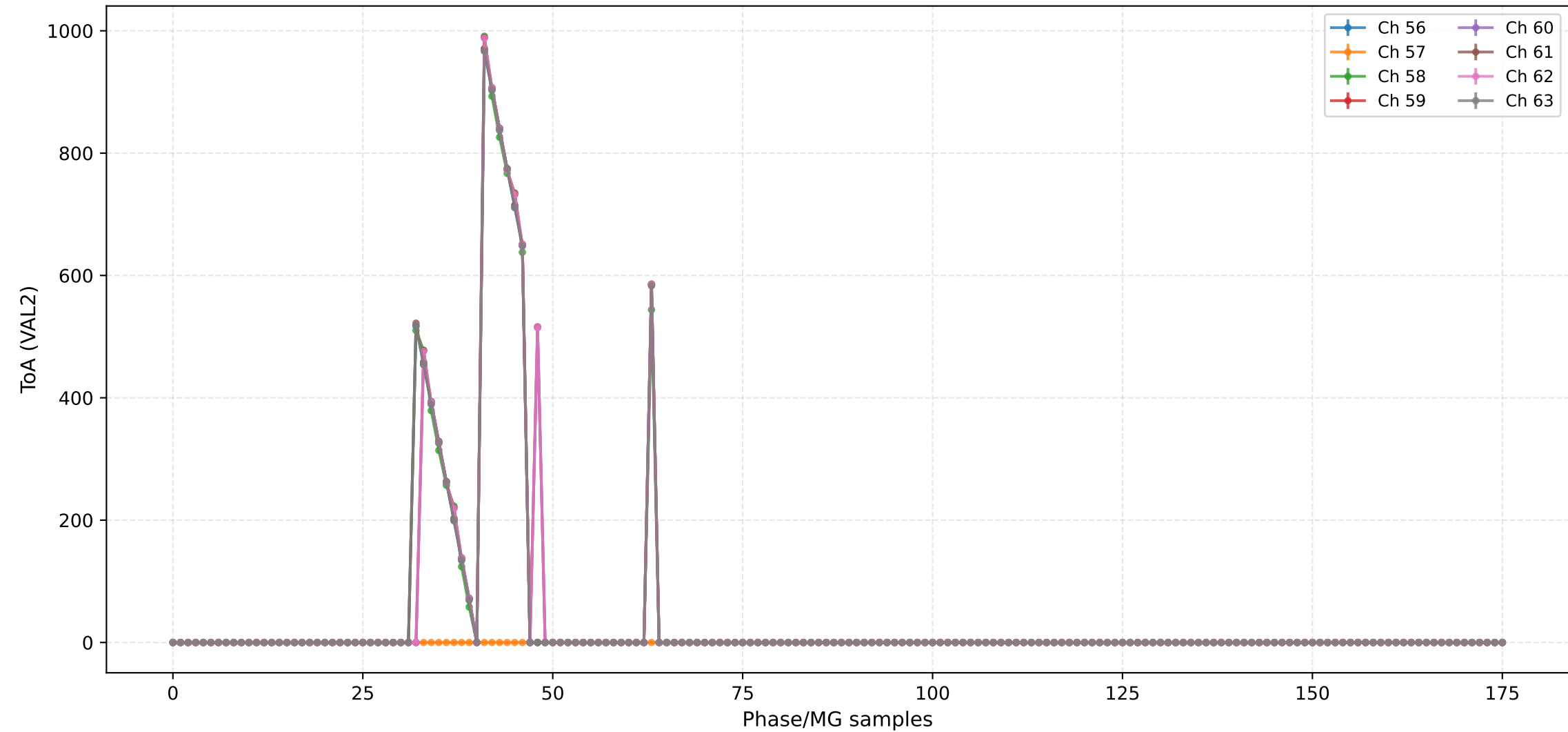


## ToA (VAL2) - Channels 40 to 47

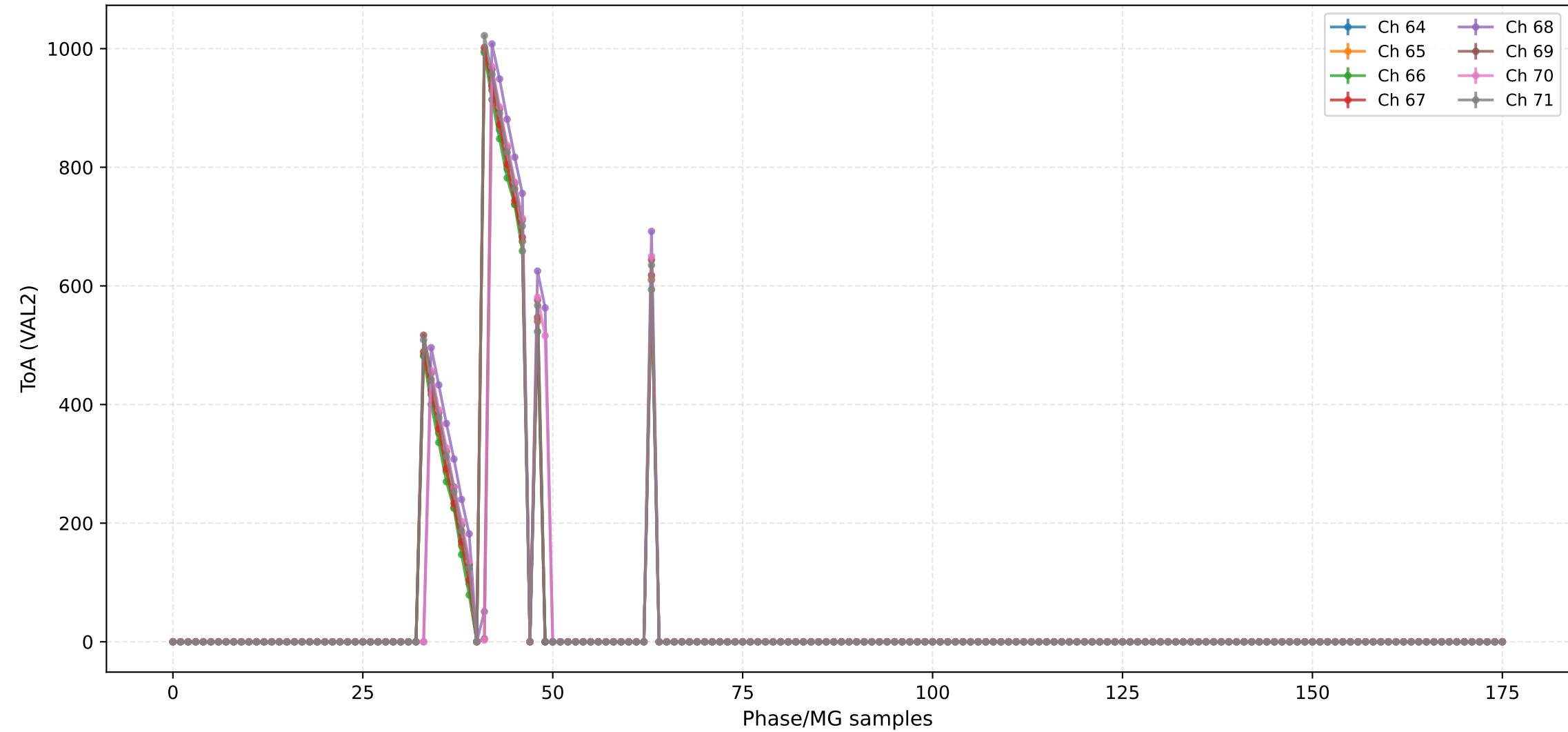




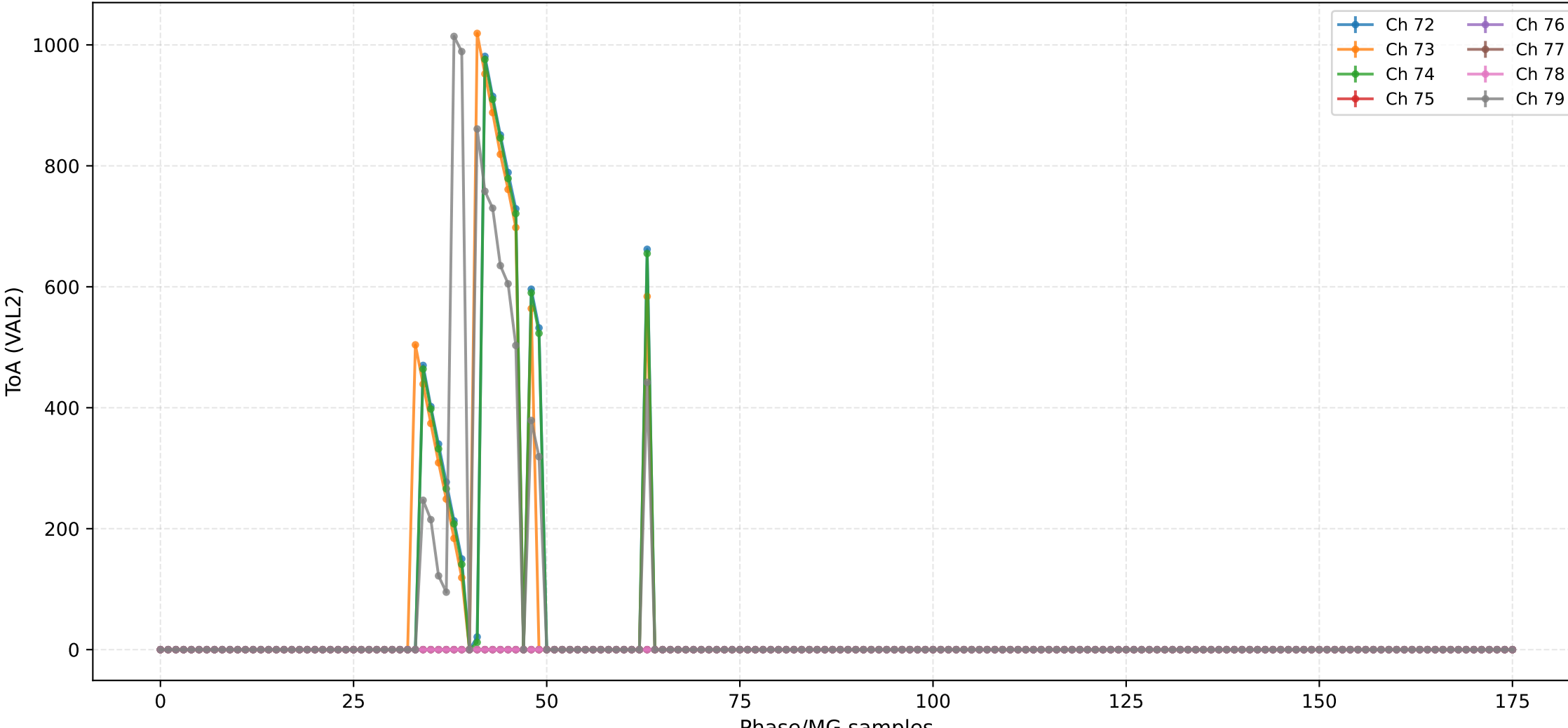
ToA (VAL2) - Channels 56 to 63



## ToA (VAL2) - Channels 64 to 71

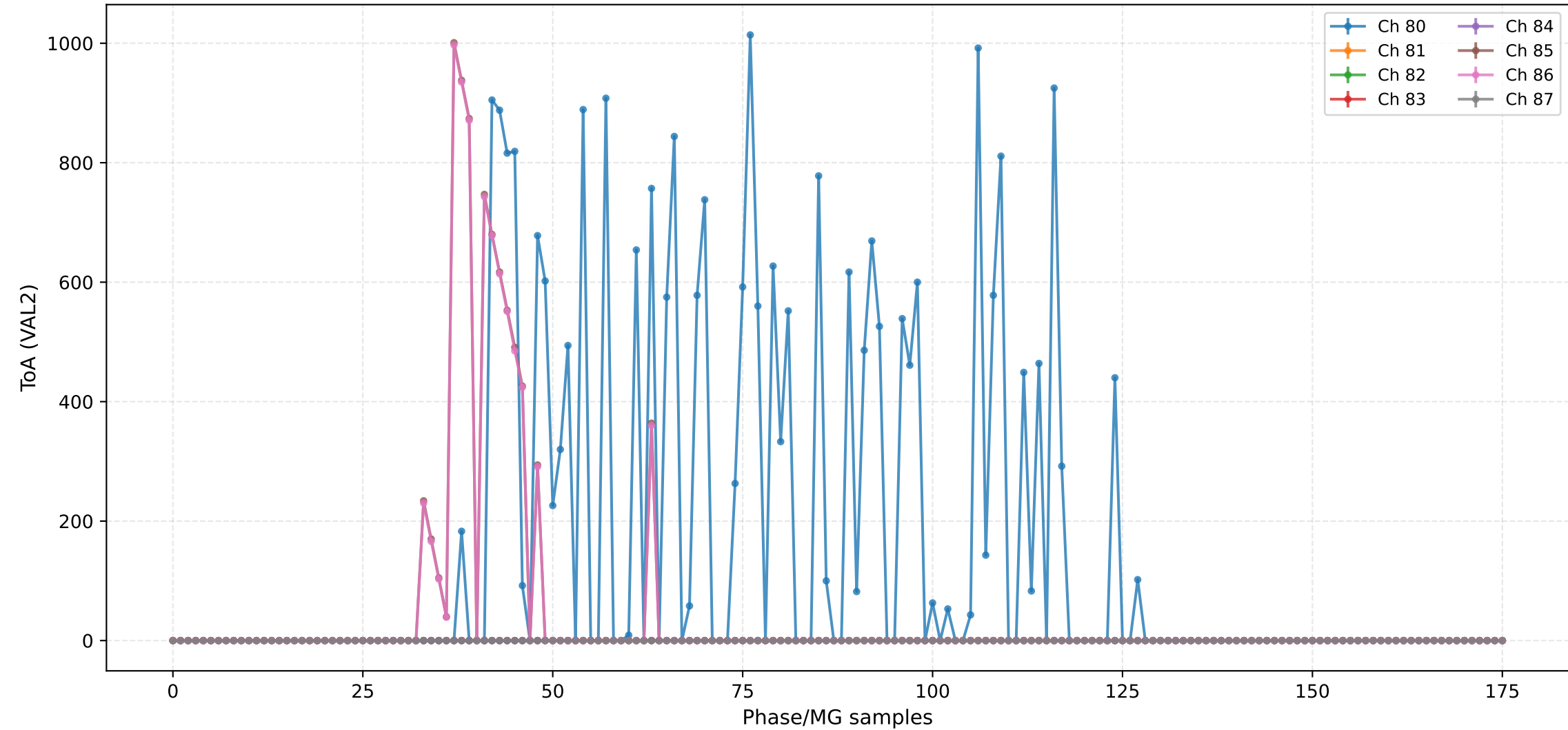


## ToA (VAL2) - Channels 72 to 79



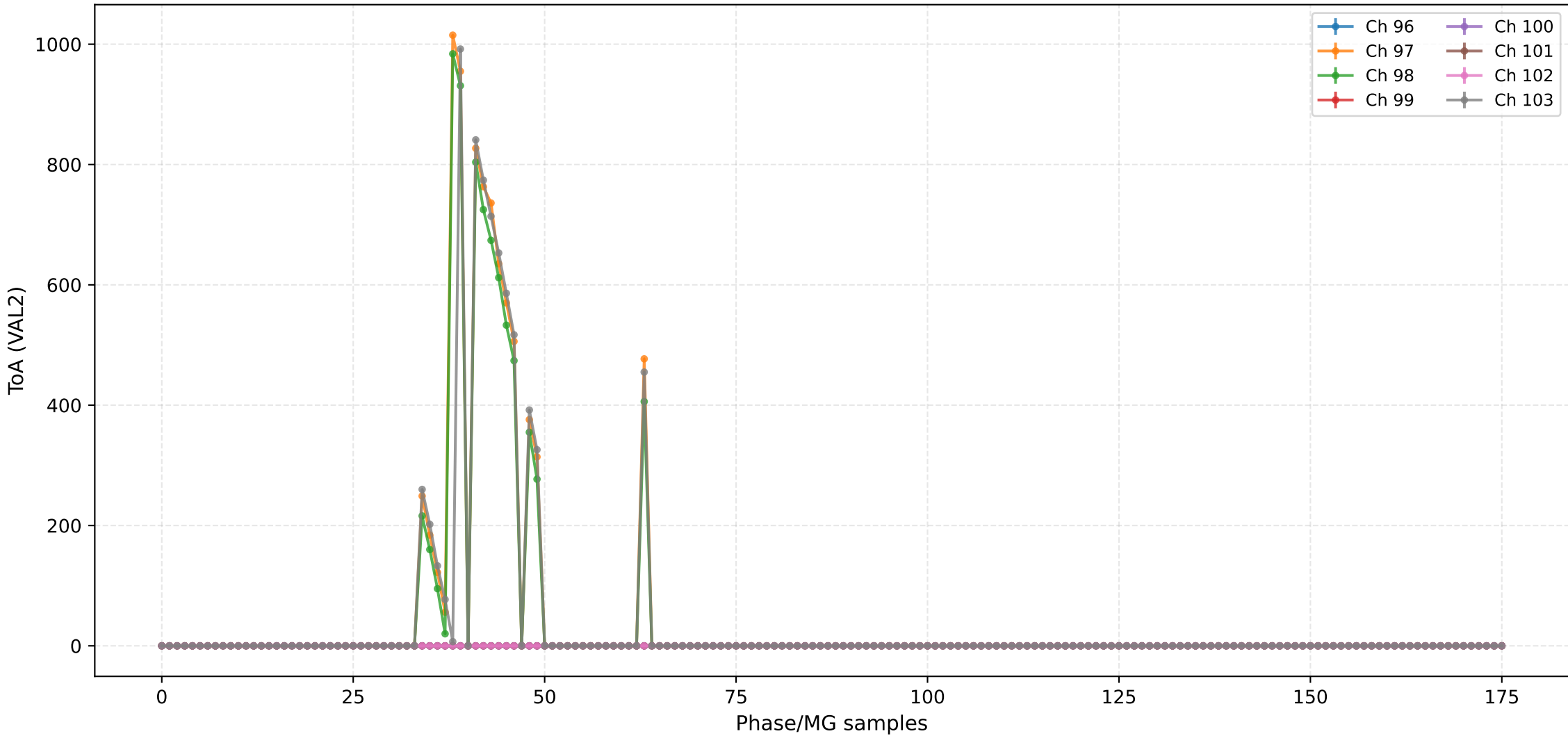


ToA (VAL2) - Channels 80 to 87

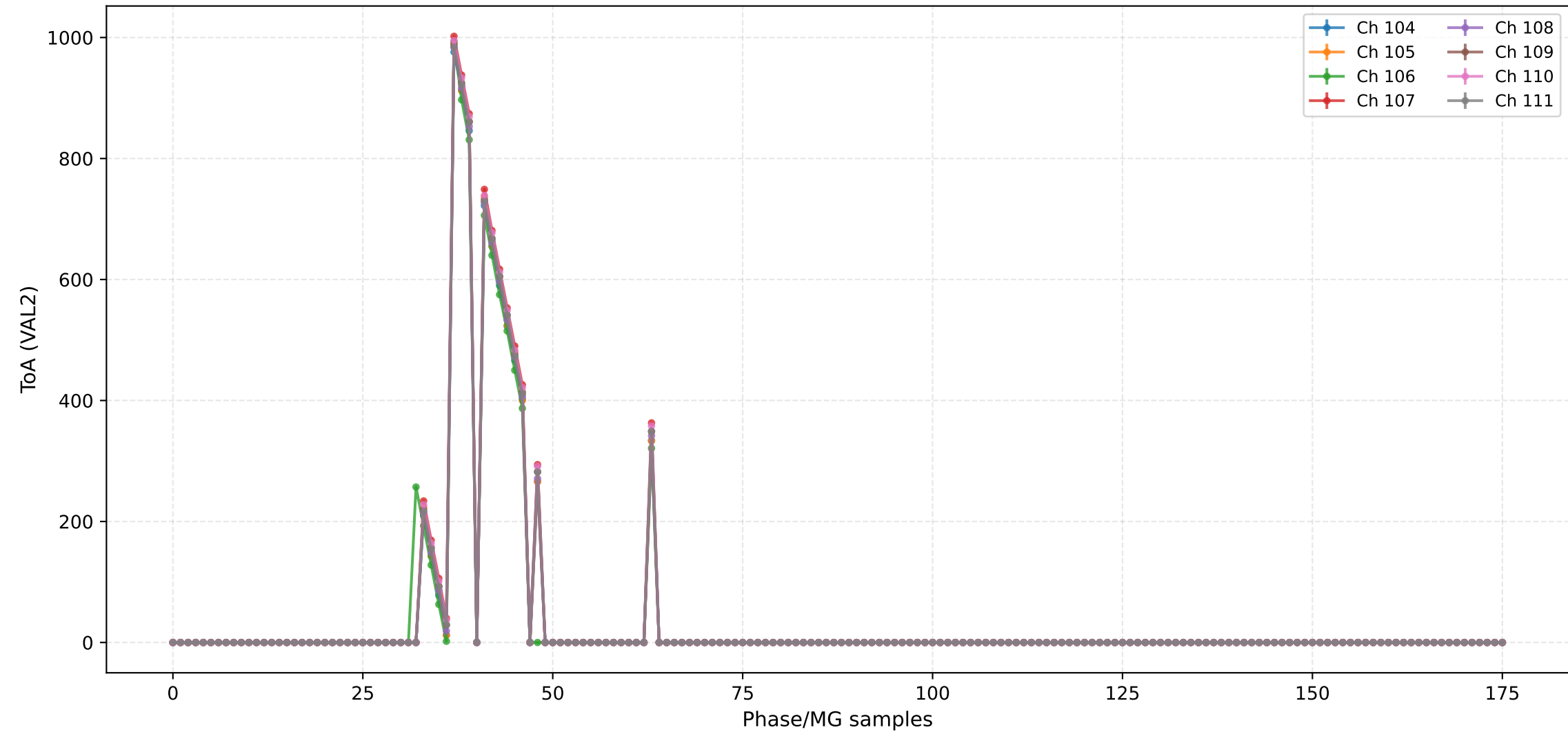




## ToA (VAL2) - Channels 96 to 103



## ToA (VAL2) - Channels 104 to 111





The graph displays the time evolution of the expectation value of the Pauli matrix  $\sigma_y$  for four different channels (Ch 120, Ch 121, Ch 122, Ch 123). The x-axis represents time in units of  $10^{-12}$  s, ranging from 0 to 150. The y-axis represents the expectation value, ranging from -0.5 to 0.5. All four channels show a constant value of approximately 0.05 throughout the entire time range.



The figure displays a plot of the expectation value of the Pauli matrix  $\sigma_y$  over time for six channels. The x-axis is labeled 'Time' and ranges from 0 to 150. The y-axis is labeled ' $\sigma_y$ ' and ranges from -1 to 1. A legend in the top right corner identifies the channels: Ch 128 (blue), Ch 129 (orange), Ch 130 (green), Ch 131 (red), Ch 128 (purple), and Ch 129 (brown). All six channels show a constant value of 0 for the entire duration of the simulation.

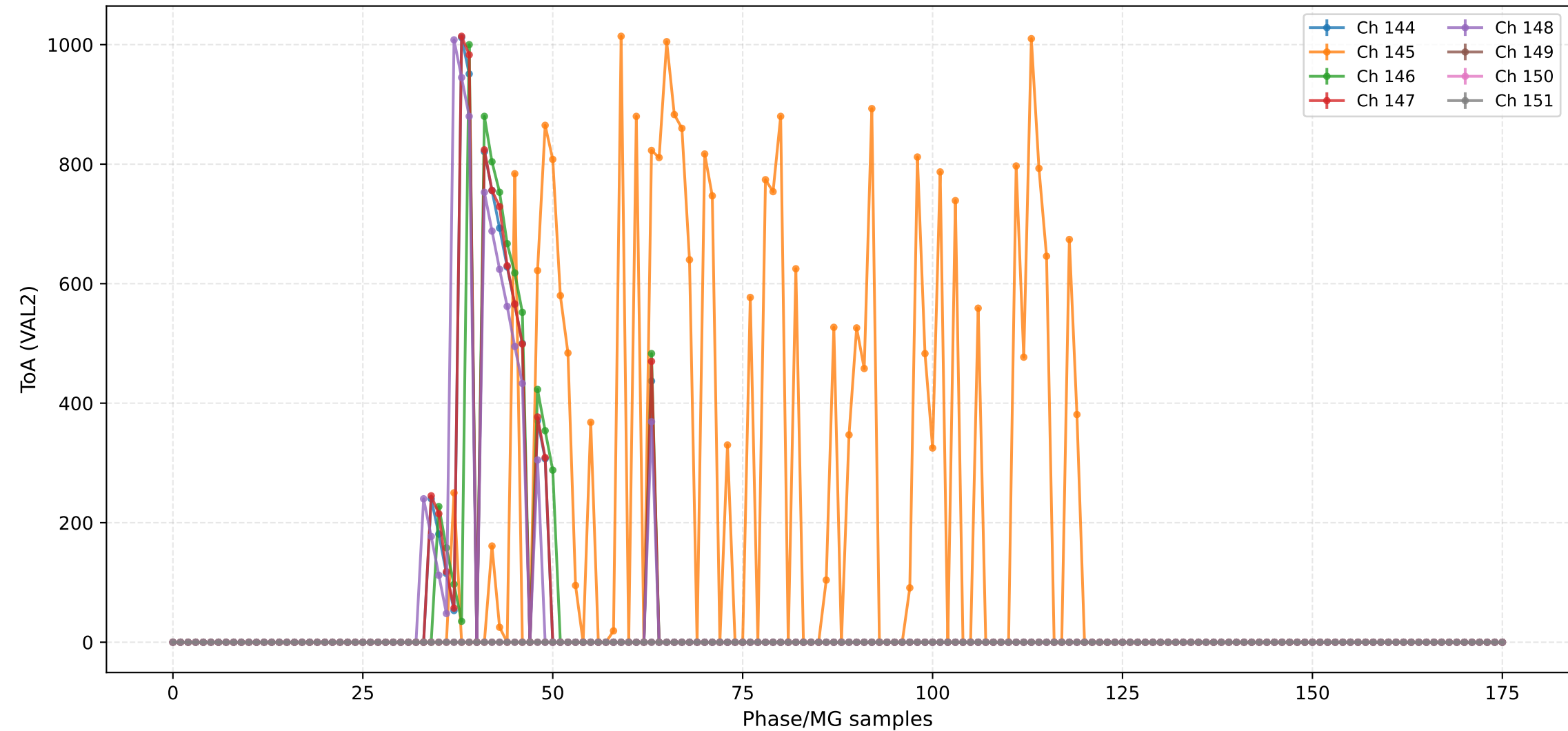


## ToA (VAL2) - Channels 136 to 143





ToA (VAL2) - Channels 144 to 151



## Injection Scan Results

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Script: 205\_Injection v1.0

Date: 2025-12-11 01:29:16

### Configuration:

- Total ASICs: 2
- Injection DAC: 2200
- Machine Gun: 10
- Scan Pack: 2
- Scan Channels: 76
- 2.5V Injection: True
- High Range Injection: False

### Analog Settings:

- RF: 0x-1
- CF: 0x-1
- CC: 0x-1
- CF Comp: 0x-1

### Output Files:

- 205\_Injection\_asic2\_injdac2200\_mg10\_pack2\_chn76\_val0.csv
- 205\_Injection\_asic2\_injdac2200\_mg10\_pack2\_chn76\_val1.csv
- 205\_Injection\_asic2\_injdac2200\_mg10\_pack2\_chn76\_val2.csv